



NATIONAL SENIOR CERTIFICATE EXAMINATION
NOVEMBER 2018

INFORMATION TECHNOLOGY: PAPER II

INSTRUCTIONS TO TEACHERS

TO THE TEACHER RESPONSIBLE FOR CANDIDATES IN THE INFORMATION TECHNOLOGY PRACTICAL EXAMINATION

INSTRUCTIONS CONCERNING DATA FILES SUPPLIED ON DISK

You have been supplied with files on a CD. It is the responsibility of the Information Technology teacher to check **two days before the examination** that they can open the files and that the files can be read by the relevant applications. Printouts of the files are given, starting on page 3 of this document. The details of the files are as follows:

Files for Learners: please consult the folders on the CD. These are the important files only.

Section A:

- BookingDB_Access.mdb
- BookingDB_JavaDB.sql
- BookingDB_MySQL.sql
- SQLAnswerSheet.rtf
- SQLBrowser.exe

Section B:

- data.txt

If you have any problems with accessing the files on the disk, please notify the IEB immediately.

Individual copies of these files will be required by each candidate writing the Information Technology Practical Examination (Paper II). Please copy the relevant files onto a disk for each candidate's exclusive use, or onto the disk space that will be used exclusively by each candidate.

The candidates are asked in the question paper to create backups of these files. Please keep a set of these files on a flash drive so that copies can be quickly distributed to candidates who might alter their files and not have a backup to restore from.

Teachers are advised to supply only those files that are needed by the pupils in their centre (don't supply the MySQL files if your candidates are writing with Access or vice versa).

Confidentiality is of the utmost importance. Under no circumstances should candidates have access to these files before the examination.

After the examination:

1. Create a folder for each candidate using their examination number. Copy ALL the candidates' files into their particular folder. Be sure to include the data files that are accessed by the program. Ensure that the candidates have not used path names for the data files in their programs. If candidates have used full path names, the files sent to the IEB must reflect this. Copy these files to the TWO CDs provided and attach the barcode label to each CD. Each CD should contain an exact copy of all candidates' work as it existed when the examination finished. These CDs should be sealed in the electronically locked bags within 2 hours after the end of the examination.
2. The candidates must print a code listing of all the programs/classes they have coded. They will be given half an hour to print after the examination has been completed. These printouts must be placed in the bag the question papers were delivered in, together with the CDs.

CIRCULAR NO. 73/2018

31 May 2018

**TO: PRINCIPALS OF SCHOOLS ENTERING CANDIDATES FOR THE 2018
NATIONAL SENIOR CERTIFICATE EXAMINATION**

INFORMATION TECHNOLOGY PRACTICAL EXAMINATION (IT PAPER II)

Submission of the practical examinations for marking

The Information Technology: Paper II (Practical Examination) is scheduled for Wednesday, 17 October 2018, from 9:00 to 12:00. On completion of the examination:

1. It will be the IT teachers' responsibility to ensure that all the candidates' data is placed on the two barcoded CDs that will be provided by the IEB.
2. Each candidate must have their own folder on the CDs, with their examination number as the name of the folder and all files contained within.
3. A backup must also be made and kept at the school on relevant storage media, until 28 February 2019, to allow for the re-mark process to be completed.
4. One hard copy of each learner's practical examination, labelled with the examination number sticker must be printed and sent to the IEB in the electronic bag.
5. The two barcoded CD disks need to be placed in the padded envelope provided by the IEB, and together with the learner printouts be locked in the electronic examinations bag by no later than 17:00 on Wednesday 17 October 2018.
6. **A completed and signed copy of the attachment included with this circular (PRACTICAL EXAMINATION DECLARATION IN GRADE 12, 2018) is to be included in the padded envelope.**
7. The electronic examinations bag with the IT Practical Examination CDs and learner printouts needs to be returned to the IEB by Monday, 22 October 2018.
8. The two barcoded CDs and the padded envelope will be sent to the schools in the delivery that includes the IT Practical Final Examination.

Please bring the contents of this circular to the attention of your IT teachers and also to the Chief Invigilator of the school.

Helen Sidiropoulos
Assessment Specialist

Margie Luckay
Senior Manager: Support

LETTER FROM THE HIGH SCHOOL HEAD AND IT TEACHER/S



Attachment to Circular no.73/2018

Name of School	
Centre Number	
Completed by	
Designation	

The IEB
P O Box 875
Highlands North
2037

Dear IEB

RE: PRACTICAL EXAMINATION DECLARATION IN GRADE 12, 2018

INFORMATION TECHNOLOGY

We certify that we have ensured that	Cross your response	
all the work in each learners' folder has been copied from the examination location to the IEB CDs without any modification whatsoever.	YES	NO
all the work in each learners' folder is the work of that learner only.	YES	NO
two copies of the learners' folders have been sent to the IEB on the two CDs provided by the IEB.	YES	NO
one hard copy of each learner's practical examination, labelled with the examination number sticker have been sent to the IEB.	YES	NO
no learner had access to the internet during the examination.	YES	NO
no help or assistance at all was given to or allowed to be given to any learner other than that of a technical nature as stated in the Examination Instructions.	YES	NO
a copy of all the learners' work has been saved on the school system.	YES	NO

IT EDUCATOR/S

HEAD

DATE

DATE

FILES FOR LEARNERS

The following pages contain the hard-copy printouts of the data supplied to each of the candidates.

SECTION A

BookingDB_Access.mdb

TOURIST Table

Data may be formatted differently on your computer depending on its settings.

TouristID	TouristName	Email	Hotel	DateRegistered
1	Andris Nuth	anuth0@dyndns.org	Peninsula Hotel	2015/05/15
2	Flor Byres	fbyres1@cargocollective.com	President Hotel	2018/02/05
3	Dwight Crisell	dwright@crisell.com	Village Lodge	2018/04/18
4	Mary Crisell	mary@crisell.com	Village Lodge	2018/04/18
5	Darryl Poleykett	dpoleykett4@bbb.org	Mount Grace Hotel	2017/06/02
6	Kort McAndie	kmcandie5@diigo.com	Village Lodge	2015/08/22
7	Arron Haney	ahaney6@blogspot.com	Peninsula Hotel	2012/05/17
8	Jorrie Potten	jpotten@seattletimes.com	Mount Grace Hotel	2016/11/03
9	Mic MacArd	mmacard8@weebly.com	Peninsula Hotel	2018/08/02
10	Johnath Nixon	jnixon@seattletimes.com	Peninsula Hotel	2016/05/13
11	Davis Eginton	degintona@seattletimes.com	Peninsula Hotel	2018/07/30
12	Sharlene Bendall	sbendallb@vk.com	President Hotel	2018/07/28
13	Rozalie Kebell	rkebellc@apple.com	Village Lodge	2013/11/12
14	Eleen Yeomans	eyeomansd@nhs.uk	Mount Grace Hotel	2017/02/01
15	Marge Hengoed	mhengoede@posterous.com	President Hotel	2016/12/23
16	Paul Buller	pbullerf@nbcnews.com	Mount Grace Hotel	2017/01/15
17	Eba Gillison	egillisong@admin.ch	Mount Grace Hotel	2017/09/26
18	Sharl MacMenamy	smacmenamyh@ebay.co.uk	Peninsula Hotel	2018/05/21
19	Irina Gouny	igounyi@opera.com	Lunar Hotel	2018/03/11
20	Cornall Prout	cproutj@tripod.com	Village Lodge	2016/05/14

EXCURSION Table

Data may be formatted differently on your computer depending on its settings.

ExcursionID	ExcursionName	StartHour	EndHour	CurrentCost	Surcharge
1	Sunrise Breakfast River Cruise	5	8	550	25
2	Sunset River Cruise	17	20	700	25
3	Morning Safari	9	12	450	15
4	Afternoon Safari	13	16	450	15
5	Night Safari	21	23	450	20
6	Township Excursion 1	8	10	250	0
7	Township Excursion 2	10	12	250	0
8	Township Excursion 3	12	14	250	0
9	Township Excursion 4	14	16	250	0
10	Township Excursion 5	16	18	250	0
11	National Art Museum Excursion 1	8	11	350	0
12	National Art Museum Excursion 2	11	14	350	0
13	National Art Museum Excursion 3	14	17	350	0
14	Splash Marine Park Morning Excursion	8	12	550	0
15	Splash Marine Park Afternoon Excursion	12	16	550	0
16	Splash Marine Park Day Excursion	8	16	800	0
17	National Park Day Excursion	8	16	800	20

BOOKING Table

Data may be formatted differently on your computer depending on its settings.

BookingID	TouristID	ExcursionID	ExcursionDate	CostCharged
1	1	1	2018/10/05	620
2	1	3	2018/10/05	465
3	1	9	2018/10/05	225
4	1	3	2018/10/06	465
5	1	13	2018/10/06	315
6	1	16	2018/10/07	720
7	2	6	2018/10/07	225
8	2	12	2018/10/07	315
9	2	2	2018/10/07	785
10	3	4	2018/10/07	475
11	3	2	2018/10/07	785
12	4	4	2018/10/07	475
13	4	2	2018/10/07	785
14	1	17	2018/10/08	865
15	1	2	2018/10/08	785
16	2	3	2018/10/08	475
17	2	4	2018/10/08	475
18	3	14	2018/10/08	495
19	3	9	2018/10/08	225
20	4	14	2018/10/08	495
21	4	9	2018/10/08	225
22	2	17	2018/10/09	865

BookingDB_JavaDB.sql

```
CREATE TABLE Tourist (  
    TouristID Integer NOT NULL,  
    -- A unique identification number for each tourist registered on the system  
  
    TouristName varchar(40) NOT NULL,  
    -- The name of the tourist  
  
    Email varchar(100) NOT NULL,  
    -- The email address as registered on the system  
  
    Hotel varchar(40) NOT NULL,  
    -- The name of the hotel the tourist is currently staying at  
  
    DateRegistered date NOT NULL,  
    -- The date on which the tourist registered on the system  
  
    PRIMARY KEY (TouristID)  
) ;
```

```
INSERT INTO Tourist (TouristID, TouristName, Email, Hotel, DateRegistered)  
VALUES  
(1, 'Andris Nuth', 'anuth0@dyndns.org', 'Peninsula Hotel', '2015-05-15'),  
(2, 'Flor Byres', 'fbyres1@cargocollective.com', 'President Hotel', '2018-02-05'),  
(3, 'Dwight Crisell', 'dwight@crisell.com', 'Village Lodge', '2018-04-18'),  
(4, 'Mary Crisell', 'mary@crisell.com', 'Village Lodge', '2018-04-18'),  
(5, 'Darryl Poleykett', 'dpoleykett4@bbb.org', 'Mount Grace Hotel', '2017-06-02'),  
(6, 'Kort McAndie', 'kmcandie5@diigo.com', 'Village Lodge', '2015-08-22'),  
(7, 'Arron Haney', 'ahaney6@blogspot.com', 'Peninsula Hotel', '2012-05-17'),  
(8, 'Jorrie Potten', 'jpotten@seattletimes.com', 'Mount Grace Hotel', '2016-11-03'),  
(9, 'Mic MacArd', 'mmacard8@weebly.com', 'Peninsula Hotel', '2018-08-02'),  
(10, 'Johnath Nixon', 'jnixon@seattletimes.com', 'Peninsula Hotel', '2016-05-13'),  
(11, 'Davis Eginton', 'degintona@seattletimes.com', 'Peninsula Hotel', '2018-07-30'),  
(12, 'Sharlene Bendall', 'sbendallb@vk.com', 'President Hotel', '2018-07-28'),  
(13, 'Rozalie Kebell', 'rkebellc@apple.com', 'Village Lodge', '2013-11-12'),  
(14, 'Eleen Yeomans', 'eyeomansd@nhs.uk', 'Mount Grace Hotel', '2017-02-01'),  
(15, 'Marge Hengood', 'mhengood@posterous.com', 'President Hotel', '2016-12-23'),  
(16, 'Paul Buller', 'pbullerf@nbcnews.com', 'Mount Grace Hotel', '2017-01-15'),  
(17, 'Eba Gillison', 'egillisong@admin.ch', 'Mount Grace Hotel', '2017-09-26'),  
(18, 'Sharl MacMenamy', 'smacmenamyh@ebay.co.uk', 'Peninsula Hotel', '2018-05-21'),  
(19, 'Irina Gouny', 'igounyi@opera.com', 'Lunar Hotel', '2018-03-11'),  
(20, 'Cornall Prout', 'cproutj@tripod.com', 'Village Lodge', '2016-05-14');
```

```
CREATE TABLE Excursion (  
    ExcursionID integer NOT NULL,  
    -- A unique identification number for each excursion  
  
    ExcursionName varchar(50) NOT NULL,  
    -- The name given for the excursion  
  
    StartHour integer NOT NULL,  
    -- The excursion commences on this hour. This number is in 24 hour clock  
    format, i.e. 0-11 would be considered morning, 12-16 would be considered  
    afternoon and 17-23 would be evening.  
  
    EndHour integer NOT NULL,  
    -- The excursion ends on this hour. It is also in 24 hour clock with values  
    from 0 to 23.
```

```
CurrentCost double NOT NULL,  
-- The current cost of this excursion  
  
Surcharge double NOT NULL,  
-- The conservation surcharge that is added on directly to the current cost.  
Some excursions that are not related to conservation will have 0 surcharge.
```

```
PRIMARY KEY (ExcursionID)  
);
```

```
INSERT INTO Excursion (ExcursionID, ExcursionName, StartHour, EndHour,  
CurrentCost, Surcharge) VALUES  
(1,'Sunrise Breakfast River Cruise',5, 8, 550, 25),  
(2,'Sunset River Cruise',17, 20, 700, 25),  
(3,'Morning Safari',9, 12, 450, 15),  
(4,'Afternoon Safari',13, 16, 450, 15),  
(5,'Night Safari',21, 23, 450, 20),  
(6,'Township Excursion 1',8, 10, 250, 0),  
(7,'Township Excursion 2',10, 12, 250, 0),  
(8,'Township Excursion 3',12, 14, 250, 0),  
(9,'Township Excursion 4',14, 16, 250, 0),  
(10,'Township Excursion 5',16, 18, 250, 0),  
(11,'National Art Museum Excursion 1',8, 11, 350, 0),  
(12,'National Art Museum Excursion 2',11, 14, 350, 0),  
(13,'National Art Museum Excursion 3',14, 17, 350, 0),  
(14,'Splash Marine Park Morning Excursion',8, 12, 550, 0),  
(15,'Splash Marine Park Afternoon Excursion',12, 16, 550, 0),  
(16,'Splash Marine Park Day Excursion',8, 16, 800, 0),  
(17,'National Park Day Excursion',8, 16, 800, 20);
```

```
CREATE TABLE Booking (  
BookingID integer NOT NULL primary key generated always as identity  
    (start with 1, increment by 1),  
-- A unique identification number for each booking  
  
TouristID integer NOT NULL,  
-- The TouristID of the tourist that booked this excursion. This field is the  
foreign key to the TOURIST table.  
  
ExcursionID integer NOT NULL,  
-- The ExcursionID of the excursion linked to this booking. This field is the  
foreign key to the EXCURSION table.  
  
ExcursionDate date NOT NULL,  
-- The date for which the excursion was booked by the tourist  
  
CostCharged double NOT NULL  
-- The cost that the tourist paid for this excursion  
);
```

```
INSERT INTO Booking (TouristID, ExcursionID, ExcursionDate, CostCharged) VALUES  
(1, 1,'2018-10-05',620),  
(1, 3,'2018-10-05',465),  
(1, 9,'2018-10-05',225),  
(1, 3,'2018-10-06',465),  
(1, 13,'2018-10-06',315),  
(1, 16,'2018-10-07',720),  
(2, 6,'2018-10-07',225),  
(2, 12,'2018-10-07',315),  
(2, 2,'2018-10-07',785),  
(3, 4,'2018-10-07',475),
```



```
(3, 2, '2018-10-07', 785),  
(4, 4, '2018-10-07', 475),  
(4, 2, '2018-10-07', 785),  
(1, 17, '2018-10-08', 865),  
(1, 2, '2018-10-08', 785),  
(2, 3, '2018-10-08', 475),  
(2, 4, '2018-10-08', 475),  
(3, 14, '2018-10-08', 495),  
(3, 9, '2018-10-08', 225),  
(4, 14, '2018-10-08', 495),  
(4, 9, '2018-10-08', 225),  
(2, 17, '2018-10-09', 865);
```

BookingDB_MySQL.sql

```
SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";  
SET time_zone = "+00:00";
```

```
/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;  
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;  
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;  
/*!40101 SET NAMES utf8 */;
```

```
--  
-- Database: `BookingDB`  
--
```

```
-- -----
```

```
--  
-- Table structure for table `Excursion`  
--
```

```
CREATE TABLE IF NOT EXISTS `Excursion` (  
  `ExcursionID` int(11) NOT NULL COMMENT 'A unique identification number for  
each excursion',  
  `ExcursionName` varchar(50) NOT NULL COMMENT 'The name given for the  
excursion',  
  `StartHour` int(11) NOT NULL COMMENT 'The excursion commences on this hour.  
This number is in 24 hour clock format, i.e. 0-11 would be considered morning,  
12-16 would be considered afternoon and 17-23 would be evening.',  
  `EndHour` int(11) NOT NULL COMMENT 'The excursion ends on this hour. It is  
also in 24 hour clock with values from 0 to 23.',  
  `CurrentCost` double NOT NULL COMMENT 'The current cost of this excursion',  
  `Surcharge` double NOT NULL COMMENT 'The conservation surcharge that is added  
on directly to the current cost. Some excursion that are not related to  
conservation will have 0 surcharge.',  
  PRIMARY KEY (`ExcursionID`)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

```
--  
-- Dumping data for table `Excursion`  
--
```

```
INSERT INTO `Excursion` (`ExcursionID`, `ExcursionName`, `StartHour`,  
`EndHour`, `CurrentCost`, `Surcharge`) VALUES  
(1, 'Sunrise Breakfast River Cruise', 5, 8, 550, 25),  
(2, 'Sunset River Cruise', 17, 20, 700, 25),  
(3, 'Morning Safari', 9, 12, 450, 15),  
(4, 'Afternoon Safari', 13, 16, 450, 15),  
(5, 'Night Safari', 21, 23, 450, 20),  
(6, 'Township Excursion 1', 8, 10, 250, 0),  
(7, 'Township Excursion 2', 10, 12, 250, 0),  
(8, 'Township Excursion 3', 12, 14, 250, 0),  
(9, 'Township Excursion 4', 14, 16, 250, 0),  
(10, 'Township Excursion 5', 16, 18, 250, 0),  
(11, 'National Art Museum Excursion 1', 8, 11, 350, 0),  
(12, 'National Art Museum Excursion 2', 11, 14, 350, 0),  
(13, 'National Art Museum Excursion 3', 14, 17, 350, 0),  
(14, 'Splash Marine Park Morning Excursion', 8, 12, 550, 0),  
(15, 'Splash Marine Park Afternoon Excursion', 12, 16, 550, 0),  
(16, 'Splash Marine Park Day Excursion', 8, 16, 800, 0),  
(17, 'National Park Day Excursion', 8, 16, 800, 20);
```

```
-- -----
```

```
--  
-- Table structure for table `Booking`  
--  
  
CREATE TABLE IF NOT EXISTS `Booking` (  
  `BookingID` int(11) NOT NULL AUTO_INCREMENT COMMENT 'A unique identification  
number for each booking',  
  `TouristID` int(11) NOT NULL COMMENT 'The TouristID of the tourist that  
booked this excursion. This field is the foreign key to the TOURIST table.',  
  `ExcursionID` int(11) NOT NULL COMMENT 'The ExcursionID of the excursion  
linked to this booking. This field is the foreign key to the EXCURSION table.',  
  `ExcursionDate` date NOT NULL COMMENT 'The date for which the excursion was  
booked by the tourist',  
  `CostCharged` double NOT NULL COMMENT 'The cost that the tourist paid for  
this excursion',  
  PRIMARY KEY (`BookingID`)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1 AUTO_INCREMENT=23 ;
```

```
--  
-- Dumping data for table `Booking`  
--
```

```
INSERT INTO `Booking` (`BookingID`, `TouristID`, `ExcursionID`,  
`ExcursionDate`, `CostCharged`) VALUES  
(1, 1, 1, '2018-10-05', 620),  
(2, 1, 3, '2018-10-05', 465),  
(3, 1, 9, '2018-10-05', 225),  
(4, 1, 3, '2018-10-06', 465),  
(5, 1, 13, '2018-10-06', 315),  
(6, 1, 16, '2018-10-07', 720),  
(7, 2, 6, '2018-10-07', 225),  
(8, 2, 12, '2018-10-07', 315),  
(9, 2, 2, '2018-10-07', 785),  
(10, 3, 4, '2018-10-07', 475),  
(11, 3, 2, '2018-10-07', 785),  
(12, 4, 4, '2018-10-07', 475),  
(13, 4, 2, '2018-10-07', 785),  
(14, 1, 17, '2018-10-08', 865),  
(15, 1, 2, '2018-10-08', 785),  
(16, 2, 3, '2018-10-08', 475),  
(17, 2, 4, '2018-10-08', 475),  
(18, 3, 14, '2018-10-08', 495),  
(19, 3, 9, '2018-10-08', 225),  
(20, 4, 14, '2018-10-08', 495),  
(21, 4, 9, '2018-10-08', 225),  
(22, 2, 17, '2018-10-09', 865);
```

```
-- -----  
--  
-- Table structure for table `Tourist`  
--
```

```
CREATE TABLE IF NOT EXISTS `Tourist` (  
  `TouristID` int(11) NOT NULL COMMENT 'A unique identification number for each  
tourist registered on the system',  
  `TouristName` varchar(40) NOT NULL COMMENT 'The name of the tourist',  
  `Email` varchar(100) NOT NULL COMMENT 'The email address as registered on the  
system',  
  `Hotel` varchar(40) NOT NULL COMMENT 'The name of the hotel the tourist is  
currently staying at',  
  `DateRegistered` date NOT NULL COMMENT 'The date on which the tourist  
registered on the system',  
  PRIMARY KEY (`TouristID`)
```

```
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

--
-- Dumping data for table `Tourist`
--

INSERT INTO `Tourist` (`TouristID`, `TouristName`, `Email`, `Hotel`,
`DateRegistered`) VALUES
(1, 'Andris Nuth', 'anuth0@dyndns.org', 'Peninsula Hotel', '2015-05-15'),
(2, 'Flor Byres', 'fbyres1@cargocollective.com', 'President Hotel', '2018-02-05'),
(3, 'Dwight Crisell', 'dwight@crisell.com', 'Village Lodge', '2018-04-18'),
(4, 'Mary Crisell', 'mary@crisell.com', 'Village Lodge', '2018-04-18'),
(5, 'Darryl Poleykett', 'dpoleykett4@bbb.org', 'Mount Grace Hotel', '2017-06-02'),
(6, 'Kort McAndie', 'kmcandie5@diigo.com', 'Village Lodge', '2015-08-22'),
(7, 'Arron Haney', 'ahaney6@blogspot.com', 'Peninsula Hotel', '2012-05-17'),
(8, 'Jorrie Potten', 'jpotten@seattletimes.com', 'Mount Grace Hotel', '2016-11-03'),
(9, 'Mic MacArd', 'mmacard8@weebly.com', 'Peninsula Hotel', '2018-08-02'),
(10, 'Johnath Nixon', 'jnixon@seattletimes.com', 'Peninsula Hotel', '2016-05-13'),
(11, 'Davis Eginton', 'degintona@seattletimes.com', 'Peninsula Hotel', '2018-07-30'),
(12, 'Sharlene Bendall', 'sbendallb@vk.com', 'President Hotel', '2018-07-28'),
(13, 'Rozalie Kebell', 'rkebellc@apple.com', 'Village Lodge', '2013-11-12'),
(14, 'Eleen Yeomans', 'eyeomansd@nhs.uk', 'Mount Grace Hotel', '2017-02-01'),
(15, 'Marge Hengoe', 'mhengoede@posterous.com', 'President Hotel', '2016-12-23'),
(16, 'Paul Buller', 'pbullerf@nbcnews.com', 'Mount Grace Hotel', '2017-01-15'),
(17, 'Eba Gillison', 'egillisong@admin.ch', 'Mount Grace Hotel', '2017-09-26'),
(18, 'Sharl MacMenamy', 'smacmenamyh@ebay.co.uk', 'Peninsula Hotel', '2018-05-21'),
(19, 'Irina Gouny', 'igounyi@opera.com', 'Lunar Hotel', '2018-03-11'),
(20, 'Cornall Prout', 'cproutj@tripod.com', 'Village Lodge', '2016-05-14');

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```

SECTION B

data.txt

Waterfront,1,RB
St Monicas Cathedral,3,R
Conference Centre,2,R
CC,3,R
Market Square,2,RBY
Clock Tower,2,Y
Idayimani Museum,3,Y
Grande Hotel,5,BY
SA Heritage Museum,2,Y
Apartheid Museum,2,Y
Fort of Idayimani,3,Y
SA Botanical Garden,1,B
die Diamant Wine Estate,2,BP
Central Zoo,2,B
Diamond Township,3,B
Sailors Wharf,1,B
Groot Clementia Wine Farm,3,P
Blue Crane Farm,2,P
Beau Clementia,3,P
Jewel Africa,3,R
Taemane National Park,2,R
Igugu Marine Park,2,RB
President Hotel,3,RB
St Johns Road,4,RB
Winchester Hotel,3,RB
Soccer Stadium,2,RB