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:
- SocialOutreach_Access.mdb
- SocialOutreach_JavaDB.sql
- SocialOutreach_MySQL.sql
- SQLAnswerSheet.rtf
- SQLBrowser.exe

Section B:
- Students.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.
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.
FILES FOR LEARNERS

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

SECTION A

SocialOutreach_Access.mdb

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

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    IsSenior Boolean NOT NULL,  
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(2, 'Samantha Marais', FALSE),  
(3, 'Karabo Mlangeni', TRUE),  
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(7, 'Thabo Khoza', FALSE),  
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(15, 'Heinrich Pretorius', FALSE),  
(16, 'Penny Mbele', TRUE),  
(17, 'Kobus Venter', TRUE),  
(18, 'Wiseman Legodi', TRUE),  
(19, 'Caitlin Ruth', FALSE),  
(20, 'Rethabile Mokone', TRUE),  
(21, 'Bhule Mbasu', FALSE),  
(22, 'Julia Hudson', TRUE),  
(23, 'Luke Morkel', FALSE),  
(24, 'Lungelo Nkosi', FALSE),  
(25, 'Joshua Jacobs', TRUE),  
(26, 'Gemma Fakier', FALSE),  
(27, 'Somizi Baloyi', TRUE),  
(28, 'Mpu Molefe', FALSE),  
(29, 'Nikita van Wyk', FALSE),  
(30, 'Andrea Badenhorst', TRUE),  
(31, 'Mahmood Chetty', FALSE),  
(32, 'Khensani Nguni', FALSE),  
(33, 'Vicki de Beer', TRUE),  
(34, 'Khaya Mokoena', FALSE),  
(35, 'Conrad Snyman', FALSE),  
(36, 'Zara Ndlovu', FALSE),  
(37, 'Laetitia Adams', TRUE),  
(38, 'Lesego Semenya', TRUE),  
(39, 'Nina Ntsimango', TRUE),  
(40, 'Dee Rajkoomar', FALSE),  
(41, 'Wian Oosthuizen', TRUE),  
(42, 'Frans Theron', FALSE),  
(43, 'Mthokozisi Kumalo', TRUE),  
(44, 'Prince Dube', TRUE),  
(45, 'Ashley Louw', FALSE),  
(46, 'Sego Dlamini', TRUE),  
(47, 'Kendal Buys', TRUE),  
(48, 'Mishka Hassen', FALSE),  
(49, 'Mikyle Sithole', TRUE),  
(50, 'Xavier Smith', FALSE),  
(51, 'Tasneem Morkel', TRUE),  
(52, 'Mia Gumede', FALSE),  
(53, 'Gita Ncube', FALSE),  
(54, 'Sipho Mdluli', FALSE),  
(55, 'Shabangu', FALSE),  
(56, 'Mandisa Nhlabe', FALSE),  
(57, 'Thulani Motloung', FALSE),  
(58, 'Tshiamo', FALSE),  
(59, 'Dineo', FALSE),  
(60, 'Tulane', FALSE)},
((53, 'Amy Radebe', TRUE),
(54, 'Brendan Smit', TRUE),
(55, 'Blessing Mkhize', FALSE));

CREATE TABLE PROJECT (  
  ProjectID integer NOT NULL,
  ProjectName varchar(80) NOT NULL,
  StudentLeaderID Integer NOT NULL,
  DateStarted DATE NOT NULL,
  PRIMARY KEY (ProjectID)
);

INSERT INTO PROJECT (ProjectID, ProjectName, StudentLeaderID, DateStarted) VALUES  
(1, 'THU Sandwich feeding scheme', 1,'2019-1-17'),  
(2, 'SAT English tutoring programme', 3,'2019-1-19'),  
(3, 'SAT River clean up', 16,'2019-2-2'),  
(4, 'FRI Mathematics tutorials', 12,'2019-1-18'),  
(5, 'TUE Knitting for moms', 9,'2019-3-21'),  
(6, 'MON Old Age Home Visit', 8,'2019-2-11'),  
(7, 'WED Recycling Programme', 18,'2019-1-16'),  
(8, 'FRI Textbook Collection', 25,'2019-3-21');

CREATE TABLE REGISTRATION (  
  RegistrationID integer NOT NULL,
  StudentID integer NOT NULL,
  ProjectID integer NOT NULL,
  NumAttended integer NOT NULL,
  AccumulatedHours double NOT NULL,
  PRIMARY KEY (RegistrationID)
);

INSERT INTO REGISTRATION (RegistrationID, StudentID, ProjectID, NumAttended, AccumulatedHours) VALUES  
(1, 2, 1, 15, 16.25),  
(2, 22, 1, 14, 12.5),  
(3, 35, 1, 15, 12),  
(4, 30, 2, 14, 11),  
(5, 1, 2, 16, 13.5),  
(6, 4, 1, 16, 17.5),  
(7, 40, 1, 12, 8.5),  
(8, 23, 2, 13, 11.75),  
(9, 5, 1, 10, 9.25),  
(10, 26, 3, 12, 11.5),  
(11, 12, 1, 11, 10.25),  
(12, 29, 4, 15, 16),  
(13, 6, 4, 12, 13.5),  
(14, 15, 1, 8, 6.5),  
(15, 16, 5, 10, 10),  
(16, 24, 5, 10, 10),  
(17, 7, 2, 12, 10.5),  
(18, 37, 7, 20, 10),  
(19, 41, 2, 12, 10),  
(20, 42, 3, 12, 13.5),  
(21, 10, 2, 13, 11.5),  
(22, 36, 6, 4, 6),  
(23, 17, 8, 11, 10.25),  
(24, 27, 6, 4, 6),  
(25, 11, 3, 11, 10),
(26, 50, 7, 18, 9),
(27, 25, 2, 11, 9.5),
(28, 33, 5, 9, 9),
(29, 13, 7, 19, 9.5),
(30, 37, 6, 4, 6),
(31, 49, 7, 12, 6),
(32, 51, 3, 8, 6),
(33, 14, 4, 10, 8),
(34, 11, 8, 10, 9.5),
(35, 28, 7, 8, 4),
(36, 47, 6, 4, 6),
(37, 15, 4, 10, 8),
(38, 52, 6, 3, 4.5),
(39, 46, 8, 9, 9.5),
(40, 46, 3, 5, 3.5),
(41, 38, 5, 8, 8),
(42, 13, 6, 3, 4.5),
(43, 55, 4, 10, 8),
(44, 31, 8, 9, 8.5),
(45, 29, 3, 2, 1.5),
(46, 45, 5, 8, 8),
(47, 9, 7, 11, 5.5),
(48, 17, 5, 8, 8),
(49, 31, 1, 5, 3),
(50, 53, 5, 8, 8),
(51, 39, 6, 2, 3),
(52, 14, 7, 17, 8.5),
(53, 32, 8, 9, 7.5),
(54, 8, 7, 14, 7),
(55, 35, 6, 2, 3),
(56, 44, 2, 5, 6),
(57, 3, 4, 9, 8.5),
(58, 49, 3, 5, 4.5),
(59, 19, 8, 8, 7),
(60, 21, 2, 4, 3.5),
(61, 54, 4, 9, 8.25),
(62, 39, 8, 8, 6.5),
(63, 20, 3, 4, 3.75),
(64, 43, 4, 8, 7.75),
(65, 43, 6, 2, 3),
(66, 31, 7, 6, 3),
(67, 21, 4, 7, 6.5),
(68, 51, 4, 7, 6.5),
(69, 55, 5, 5, 5),
(70, 18, 8, 8, 6.5),
(71, 33, 7, 12, 6),
(72, 25, 7, 11, 5.5),
(73, 42, 6, 1, 1.5):
SocialOutreach_MySQL.sql

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

CREATE TABLE IF NOT EXISTS STUDENT (
    StudentID int(11) NOT NULL,
    StudentName varchar(50) NOT NULL,
    IsSenior boolean NOT NULL,
    PRIMARY KEY (StudentID)
) ENGINE=MyISAM  DEFAULT CHARSET=latin1;

INSERT INTO STUDENT (StudentID, StudentName, IsSenior) VALUES
(1, 'Jacob Ncube', TRUE),
(2, 'Samantha Marais', FALSE),
(3, 'Karabo Mlangeni', TRUE),
(4, 'Thapelo Mabena', FALSE),
(5, 'Mic de Klerk', FALSE),
(6, 'Kristen Naidoo', FALSE),
(7, 'Thabo Khosa', FALSE),
(8, 'Steven Govender', TRUE),
(9, 'Patricia Davids', TRUE),
(10, 'Ace Ngobese', FALSE),
(11, 'Michael Stemmet', TRUE),
(12, 'Kenneth Motala', TRUE),
(13, 'Mary-anne Muir', FALSE),
(14, 'Patience Madonsela', FALSE),
(15, 'Heinriche Pretorius', FALSE),
(16, 'Penny Mbele', TRUE),
(17, 'Kobus Venter', TRUE),
(18, 'Wiseman Legodi', TRUE),
(19, 'Caitlin Ruth', FALSE),
(20, 'Rethabile Mokone', TRUE),
(21, 'Bhule Mbasa', FALSE),
(22, 'Julia Hudson', TRUE),
(23, 'Luke Morkel', FALSE),
(24, 'Lungelo Nkosi', FALSE),
(25, 'Joshua Jacobs', TRUE),
(26, 'Gemma Fakier', FALSE),
(27, 'Somizi Baloyi', TRUE),
(28, 'Mpu Molefe', FALSE),
(29, 'Nikita van Wyk', FALSE),
(30, 'Andrea Badenhorst', TRUE),
(31, 'Mahmood Chetty', FALSE),
(32, 'Khensani Nguni', FALSE),
(33, 'Vicki de Beer', TRUE),
(34, 'Khaya Mokoena', FALSE),
(35, 'Conrad Snyman', FALSE),
(36, 'Zara Ndlovu', FALSE),
(37, 'Laetitia Adams', TRUE),
(38, 'Lesego Semenyana', TRUE),
(39, 'Nina Ntsimango', TRUE),
(40, 'Dee Rajkoomar', FALSE),
(41, 'Wian Oosthuizen', TRUE),
(42, 'Frans Theron', FALSE),
(43, 'Mthokozisi Kumalo', TRUE),
CREATE TABLE IF NOT EXISTS PROJECT (  
ProjectID int(11) NOT NULL,  
ProjectName varchar(80) NOT NULL,  
StudentLeaderID int(11) NOT NULL,  
DateStarted date NOT NULL,  
PRIMARY KEY (ProjectID)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

INSERT INTO PROJECT (ProjectID, ProjectName, StudentLeaderID, DateStarted)  
VALUES  
(1, 'THU Sandwich feeding scheme', 1,'2019-1-17'),  
(2, 'SAT English tutoring programme', 3,'2019-1-19'),  
(3, 'SAT River clean up', 16,'2019-2-2'),  
(4, 'FRI Mathematics tutorials', 12,'2019-1-18'),  
(5, 'TUE Knitting for moms', 9,'2019-3-21'),  
(6, 'MON Old Age Home Visit', 8,'2019-2-11'),  
(7, 'WED Recycling Programme', 18,'2019-1-16'),  
(8, 'FRI Textbook Collection', 25,'2019-3-21');

CREATE TABLE IF NOT EXISTS REGISTRATION (  
RegistrationID int(11) NOT NULL,  
StudentID integer NOT NULL,  
ProjectID integer NOT NULL,  
NumAttended integer NOT NULL,  
AccumulatedHours double NOT NULL,  
PRIMARY KEY (RegistrationID)  
) ENGINE=MyISAM DEFAULT CHARSET=latin1;

INSERT INTO REGISTRATION (RegistrationID, StudentID, ProjectID, NumAttended, AccumulatedHours) VALUES  
(1, 2, 1, 15, 16.25),  
(2, 22, 1, 14, 12.5),  
(3, 35, 1, 15, 12),  
(4, 30, 2, 14, 11),  
(5, 1, 2, 16, 13.5),  
(6, 4, 1, 16, 17.5),  
(7, 40, 1, 12, 8.5),  
(8, 23, 2, 13, 11.75),  
(9, 5, 1, 10, 9.25),  
(10, 26, 3, 12, 11.5),  
(11, 12, 1, 11, 10.25),  
(12, 29, 4, 15, 16),  
(13, 6, 4, 12, 13.5),  
(14, 15, 1, 8, 6.5),  
(15, 16, 5, 10, 10),  
(16, 24, 5, 10, 10),  
(17, 7, 2, 12, 10.5),
(18, 37, 7, 20, 10),
(19, 41, 2, 12, 10),
(20, 42, 3, 12, 13.5),
(21, 10, 2, 13, 11.5),
(22, 36, 6, 4, 6),
(23, 17, 8, 11, 10.25),
(24, 27, 6, 4, 6),
(25, 11, 3, 11, 10),
(26, 50, 7, 18, 9),
(27, 25, 2, 11, 9.5),
(28, 33, 5, 9, 9),
(29, 13, 7, 19, 9.5),
(30, 37, 6, 4, 6),
(31, 49, 7, 12, 6),
(32, 51, 3, 8, 6),
(33, 14, 4, 10, 8),
(34, 11, 8, 10, 9.5),
(35, 28, 7, 8, 4),
(36, 47, 6, 4, 6),
(37, 15, 4, 10, 8),
(38, 52, 6, 3, 4.5),
(39, 46, 8, 9, 9.5),
(40, 46, 3, 5, 3.5),
(41, 38, 5, 8, 8),
(42, 13, 6, 3, 4.5),
(43, 55, 4, 10, 8),
(44, 31, 8, 9, 8.5),
(45, 29, 3, 2, 1.5),
(46, 45, 5, 8, 8),
(47, 9, 7, 11, 5.5),
(48, 17, 5, 8, 8),
(49, 31, 1, 5, 3),
(50, 53, 5, 8, 8),
(51, 39, 6, 2, 3),
(52, 14, 7, 17, 8.5),
(53, 32, 8, 9, 7.5),
(54, 8, 7, 14, 7),
(55, 35, 6, 2, 3),
(56, 44, 2, 5, 6),
(57, 3, 4, 9, 8.5),
(58, 49, 3, 5, 4.5),
(59, 19, 8, 8, 7),
(60, 21, 2, 4, 3.5),
(61, 54, 4, 9, 8.25),
(62, 39, 8, 8, 6.5),
(63, 20, 3, 4, 3.75),
(64, 43, 4, 8, 7.75),
(65, 43, 6, 2, 3),
(66, 31, 7, 6, 3),
(67, 21, 4, 7, 6.5),
(68, 51, 4, 7, 6.5),
(69, 55, 5, 5, 5),
(70, 18, 8, 8, 6.5),
(71, 33, 7, 12, 6),
(72, 25, 7, 11, 5.5),
(73, 42, 6, 1, 1.5);

/*!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
Students.txt

Annie Morris, 11, Outdoor, 2
Lonnie Heriot, 11, Indoor, 3.5
Morris Scotty, 10, Indoor, 1
Lucius McNabb, 10, Outdoor, 8.5
Gerhard Leaby, 10, Indoor, 3
Hayden Haley, 10, Outdoor, 1.5
Carl Rabey, 10, Indoor, 4
Mary Gibbs, 8, Outdoor, 0
Myron Rhoan, 8, Outdoor, 3.5
Francisco Pettie, 8, Indoor, 2.5
Bertrand Delaney, 9, Indoor, 3
Mattie Rules, 11, Outdoor, 10
Seth Maler, 8, Both, 0
Justin Doyle, 9, Both, 4
Bessie Monahan, 12, Indoor, 5
Laverne Boyder, 9, Both, 9.5
June Gibbon, 10, Outdoor, 1
Early Honiford, 8, Indoor, 5.5
Albert Donald, 10, Outdoor, 2
Cleveland Nisbet, 9, Outdoor, 10
Consuelo Janson, 10, Both, 7
Anne Roaner, 9, Outdoor, 0.5
Corine Laughn, 11, Outdoor, 7.5
Amber McCalum, 11, Both, 5
Lucile Lownther, 10, Outdoor, 6
Melba Morvel, 11, Both, 1
Jessica Lette, 8, Outdoor, 0
Evie Galway, 8, Outdoor, 4.5
Twila Leaby, 9, Both, 7
Helga Shorts, 9, Both, 12