Practical 1

Computer Science: Data Bases

Student number: G21P9255

Name and Surname: Victor Phoswa

1.

CREATE TABLE Employees(

Employee\_Number INT NOT NULL,

Employee\_Name VARCHAR(255) UNIQUE NOT NULL,

Employee\_Surname VARCHAR(255) UNIQUE NOT NULL,

Employee\_Garde NOT NULL,

Employee\_Deparment CHAR(255) UNIQUE NOT NULL,

Employee\_Date\_Of\_Birth CHAR(255) UNIQUE NOT NULL,

Gender CHAR(255) UNIQUE NOT NULL,

Monthly\_Salary FLOAT NOT NULL,

PRIMARY KEY (Employee\_Number)

);

2.

INSERT INTO Employees(Employee\_Number, Employee\_Name, Employee\_Surname, Employee\_Garde, Employee\_Date\_Of\_Birth, Gender, Employee\_Department ,

Monthly\_Salary)

VALUES

(001, ‘Victor’, ‘Phoswa’, 100, ‘1999-01-26’, ‘M’, ‘Engineering’,54000.00),

(002, ‘Nombuso’, ‘Masimola’, 100, ‘1997-11-29’, ‘F’, ‘Finance’,100000.00);

3.

SELECT \* AS Employee\_Details

FROM Employees

WHERE Employees.Monthly\_Salary > 20000 AND Employees.Employee\_Department = ‘Marketing’

=========================================================

CREATE TABLE Employees(

EmployeeNumber INT PRIMARY KEY,

EmployeeName VARCHAR(20) NOT NULL,

EmployeeeSurname VARCHAR(20) NOT NULL,

EmployeeDepartment CHAR(20) NOT NULL,

EmployeeDateOfBirth DATE NOT NULL,

Gender CHAR NOT NULL,

MonthlySalary DECIMAL(6,2) NOT NULL

);

INSERT INTO Employees(EmployeeNumber, EmployeeName, EmployeeeSurname, EmployeeDepartment, EmployeeDateOfBirth, Gender, MonthlySalary)

VALUES(001, 'Victor', 'Phoswa', 'Marketing', '1999-01-26', 'M', 2000),

(002, 'Nombuso', 'Phoswa', 'Finance', '2000-11-29', 'F', 2000);

SELECT \*

FROM Employees

WHERE MonthlySalary > 20000 AND EmployeeDepartment = 'Marketing';

SELECT EmployeeDateOfBirth AS DueForRetirement

FROM Employees

WHERE EmployeeDateOfBirth BETWEEN '1958-01-01' AND '1974-12-30';

SELECT \*

FROM Employees