```
mysql> create database BidvestBank;
Query OK, 1 row affected (0.28 sec)
mysql> use BidvestBank;
Database changed
mysql>
mysql> create table BankBranch
    -> (
    -> branch_name varchar(25),
    -> branch_city varchar(30),
-> assets varchar(15)
    -> );
Query OK, 0 rows affected (1.89 sec)
mysql>
mysql> create table Customer
    -> customer_name varchar(15),
    -> customer_street varchar(30),
    -> customer_city varchar(30)
Query OK, 0 rows affected (0.42 sec)
mysql>
mysql> create table CustomerAccount
    -> account_number char(15),
    -> branch_name varchar(25),
    -> balance double
Query OK, 0 rows affected (0.41 sec)
mysql>
nysql>
mysql> create table Loan
   -> (
-> loan_number char(5),
-> branch_name varchar(25),
    -> amount double
    -> );
Query OK, 0 rows affected (0.28 sec)
mysql>
mysql> create table Depositor
    -> customer_name varchar(15),
    -> account number char(15)
Query OK, 0 rows affected (0.62 sec)
mysql>
mysql> create table Borrower
    -> customer_name varchar(15),
    -> loan number char (5)
    -> );
Query OK, 0 rows affected (0.89 sec)
mysql>
mysql> create table Employee
    -> employee_name varchar(15),
    -> branch_name varchar(25),
    -> salary double
    -> );
Query OK, 0 rows affected (0.85 sec)
```

```
nysql> INSERT INTO Customer
-> VALUES
-> ('Modise', 'Spring', 'George'),
-> ('Brooks', 'Senator', 'Johannesburg'),
-> ('Jooste', 'North', 'Kimberly'),
-> ('Lombard', 'Sand Hill', 'Nelspruit'),
-> ('Mokwena', 'Walnut', 'Port-Elizabeth'),
-> ('Johnson', 'Mmabatho', 'Mafikeng'),
-> ('Johnson', 'Alma', 'Bloemfontein'),
-> ('Zwane', 'Main', 'Mafikeng'),
-> ('Linday', 'Park', 'George'),
-> ('Smith', 'North', 'Kimberly'),
-> ('Dlamini', 'Putnam', 'Port-Elizabeth'),
-> ('Williams', 'Nassau', 'Giyane');
Query OK, 12 rows affected (0.05 sec)
Records: 12 Duplicates: 0 Warnings: 0
                -> VALUES
    nysql> INSERT INTO Depositor
 -> VALUES
-> ('Johnson', 'A-5624'),
-> ('Johnson', 'A-5624'),
-> ('Johnson', 'A-7794'),
-> ('Zwane', 'A-3546'),
-> ('Lindsay', 'A-3453'),
-> ('Smith', 'A-4467'),
-> ('Dlamini', 'A-2542');
Query OK, 7 rows affected (0.07 sec)
Records: 7 Duplicates: 0 Warnings: 0
              -> VALUES
   mysql>
    mysql> INSERT INTO Loan
mysql> INSERT INTO Loan
-> VALUES
-> ('L-11', 'Mamelodi', 900),
-> ('L-14', 'Newtown', 1500),
-> ('L-15', 'Sunnyside', 1500),
-> ('L-16', 'Sunnyside', 1300),
-> ('L-17', 'Newtown', 1000),
-> ('L-23', 'Universitas', 2000),
-> ('L-93', 'Mabopane', 500);
Query OK, 7 rows affected (0.06 sec)
Records: 7 Duplicates: 0 Warnings: 0
    mysql>
  mysql> INSERT INTO CustomerAccount
                  -> VALUES
-> VALUES
-> ('A-5324', 'Newtown', 500),
-> ('A-5624', 'Sunnyside', 400),
-> ('A-7794', 'Midrand', 900),
-> ('A-4467', 'Mabopane', 700),
-> ('A-3546', 'Midrand', 750),
-> ('A-3453', 'Universitas', 700),
-> ('A-2542', 'Mamelodi', 350);

Query OK, 7 rows affected (0.17 sec)

Records: 7 Duplicates: 0 Warnings: 0
  Records: 7 Duplicates: 0 Warnings: 0
  mysql>
   mysql> INSERT INTO BankBranch
                 -> VALUES
-> VALUES
-> ('Midrand', 'Johannesburg', 7100000),
-> ('Newtown', 'Johannesburg', 9000000),
-> ('Mabopane', 'Pretoria', 400000),
-> ('Belgravia', 'Kimberly', 3700000),
-> ('Sunnyside', 'Pretoria', 1700000),
-> ('Amanzimtoti', 'Durban', 300000),
-> ('Universitas', 'Bloemfontein', 2100000),
-> ('Mamelodi', 'Pretoria', 8000000);

Query OK, 8 rows affected (0.06 sec)

Records: 8 Duplicates: 0 Warnings: 0
  Records: 8 Duplicates: 0 Warnings: 0
  mysql>
```

```
mysql> INSERT INTO Loan
-> VALUES
-> ('L-11', 'Mamelodi', 900),
-> ('L-16', 'Sunnyside', 1500),
-> ('L-16', 'Sunnyside', 1300),
-> ('L-16', 'Sunnyside', 1300),
-> ('L-17', 'Newtown', 1000),
-> ('L-23', 'Universitas', 2000),
-> ('L-93', 'Mabopane', 500);
Query OK, 7 rows affected (0.06 sec)
Records: 7 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql> INSERT INTO Borrower
-> VALUES
-> ('Modise', 'L-16'),
-> ('Jooste', 'L-93'),
-> ('Johnson', 'L-15'),
-> ('Jackson', 'L-14'),
-> ('Smith', 'L-11'),
-> ('Smith', 'L-11');
Query OK, 8 rows affected (0.07 sec)
Records: 8 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql>
mysql>
mysql>
('Brown', 'Sunnyside', 1500),
-> ('Brown', 'Sunnyside', 1300),
-> ('Gopal', 'Sunnyside', 1300),
-> ('Gopal', 'Sunnyside', 1300),
-> ('Gopal', 'Sunnyside', 1300),
-> ('Gopal', 'Sunnyside', 5300),
-> ('Johnson', 'Newtown', 1500),
-> ('Peterson', 'Newtown', 1500),
-> ('Rao', 'Austin', 1500),
-> ('Sato', 'Austin', 1500),
```

QUESTION 4 & 5

```
mysqı>
mysql> SELECT * FROM CustomerAccount WHERE balance < 700;
| account_number | branch_name | balance |
| A-5324 | Newtown
| A-5624 | Sunnyside
| A-2542 | Mamelodi
                                      500
                                      400
                                      350
3 rows in set (0.04 sec)
mysql> SELECT customer_name FROM Customer WHERE customer_city = 'Johannesburg';
customer_name
Brooks
1 row in set (0.00 sec)
mysql> SELECT * FROM Employee WHERE salary > 1500 && branch_name != 'Newtown';
| employee_name | branch_name | salary |
Gopal | Sunnyside | 5300
Sato | Austin | 1600
2 rows in set, 1 warning (0.00 sec)
mysql> SELECT AVG(salary), COUNT(*) FROM Employee;
 AVG(salary) | COUNT(*) |
      2062.5
                      8
1 row in set (0.03 sec)
mysql> SELECT branch_name FROM BankBranch WHERE assets = ( SELECT MAX(assets) FROM BankBranch);
| branch_name |
Newtown
1 row in set (0.01 sec)
```

```
mysql> SELECT employee_name FROM Employee WHERE branch_name = 'Sunnyside';
 employee_name |
 Modise
 Brown
 Gopal
 rows in set (0.00 sec)
mysql> SELECT * FROM Borrower;
 customer_name | loan_number
 Modise
                L-10
L-93
L-15
L-14
L-17
L-11
 Jooste
 Johnson
 Jackson
 Zwane
 Smith
                 L-23
 Smith
 Williams
8 rows in set (0.00 sec)
mysql> SELECT account_number FROM CustomerAccount WHERE balance > 900;
Empty set (0.00 sec)
mysql> SELECT account_number, balance FROM CustomerAccount WHERE branch_name = 'Newtown' && balance > 600; Empty set, 1 warning (0.00 sec)
mysql> SELECT branch_name, assets FROM BankBranch;
  branch_name | assets
                   7100000
 Midrand
                   9000000
  Newtown
                   400000
  Mabopane
                   3700000
  Belgravia
  Sunnyside
                   1700000
```

Amanzimtoti | 300000 Universitas | 2100000

8 rows in set (0.00 sec)

8000000

Mamelodi