4.

   i.   Find all customer accounts whose balance is smaller than R700.

```
mysql> select * from CustomerAccount where balance < 700;
+----------------+-------------+---------+
| account_number | branch_name | balance |
+----------------+-------------+---------+
| A-2542         | Mamelodi    |     350 |
| A-5324         | Newtown     |     500 |
| A-5624         | Sunnyside   |     400 |
+----------------+-------------+---------+
3 rows in set (0.00 sec)
```

   ii. Find all name of customers whose city is in Johannesburg

```
mysql> select * from Customer where customer_city = 'Johannesburg';
+---------------+-----------------+---------------+
| customer_name | customer_street | customer_city |
+---------------+-----------------+---------------+
| Brooks        | Senator         | Johannesburg  |
+---------------+-----------------+---------------+
1 row in set (0.00 sec)
```

   iii. Find all employees whose salary is greater than R1500 and working branch is not Newtown.

```
mysql> select * from Employee where salary > 1500 and not branch_name = 'Newtown';
+---------------+-------------+--------+
| employee_name | branch_name | salary |
+---------------+-------------+--------+
| Gopal         | Sunnyside   |   5300 |
| Sato          | Austin      |   1600 |
+---------------+-------------+--------+
2 rows in set (0.00 sec)
```

   iv. Calculate the average salary of all employees and show the average salary as "avg_salary"

```
mysql> select employee_name, avg(salary) as "avg_salary" from employee Group by employee_name;
+---------------+------------+
| employee_name | avg_salary |
+---------------+------------+
| Brown         |       1300 |
| Gopal         |       5300 |
| Johnson       |       1500 |
| Loreena       |       1300 |
| Modise        |       1500 |
| Peterson      |       2500 |
| Rao           |       1500 |
| Sato          |       1600 |
+---------------+------------+
8 rows in set (0.00 sec)

mysql> select avg(salary) as "avg_salry" from employee;
+-----------+
| avg_salry |
+-----------+
|    2062.5 |
+-----------+
1 row in set (0.00 sec)
```

   v.   Display the bank with the largest number of Assets.

```
mysql> select max(assets) as "Maximum Balance" from BankBranch;
+-----------------+
| Maximum Balance |
+-----------------+
|         9000000 |
+-----------------+
1 row in set (0.00 sec)
```

5.

i. Display the names of all employees who work in Sunnyside branch.

```
mysql> select employee_name from employee where branch_name = "Sunnyside";
+---------------+
| employee_name |
+---------------+
| Brown         |
| Gopal         |
| Modise        |
+---------------+
3 rows in set (0.00 sec)
```

ii. Display the borrower table

```
mysql> select * from Borrower;
+---------------+-------------+
| customer_name | loan_number |
+---------------+-------------+
| Modise        | L-16        |
| Jooste        | L-93        |
| Johnson       | L-15        |
| Jackson       | L-14        |
| Zwane         | L-17        |
| Smith         | L-11        |
| Smith         | L-23        |
| Williams      | L-17        |
+---------------+-------------+
8 rows in set (0.00 sec)
```

iii. Find the account number for all accounts where the balance is greater than R900

```
mysql> select * from CustomerAccount where balance > 900;
Empty set (0.00 sec)
```

iv. Find the account number and balance for all accounts from Newtown where the balance is greater than R600.

```
mysql> select * from CustomerAccount where branch_name = "Newtown" and balance > 600;
Empty set (0.00 sec)
```

v. Display the branch name and assets from all branches.

```
mysql> select branch_name, assets from Bankbranch;
+-------------+---------+
| branch_name | assets  |
+-------------+---------+
| Amanzimtoti |  300000 |
| Belgravia   | 3700000 |
| Mabopane    |  400000 |
| Mamelodi    | 8000000 |
| Midrand     | 7100000 |
| Newtown     | 9000000 |
| Sunnyside   | 1700000 |
| Universitas | 2100000 |
+-------------+---------+
8 rows in set (0.00 sec)
```