a. What is the average loan amount for borrowers who are more than 5 days past due?

```
SELECT AVG(Loan_Amount) AS average_loan_amount
FROM borrowers
WHERE Days_Left_to_Pay_Current_EMI > 5;
```

b. Who are the top 10 borrowers with the highest outstanding balance?

```
SELECT Name, Loan_Amount
FROM borrowers
ORDER BY Loan_Amount DESC
LIMIT 10;
```

c. List of all borrowers with good repayment history

```
SELECT Name, Repayment_History
FROM borrowers
WHERE Delayed_Payment = 'No';
```

d. Brief analysis with respect to loan type

```
SELECT Loan_Purpose, COUNT(*) AS count, AVG(Loan_Amount) AS
average_loan_amount, AVG(Credit_Score) AS average_credit_score
FROM borrowers
GROUP BY Loan_Purpose;
```

—----------

```
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 11
Server version: 8.0.36 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE borrowers_db;
Database changed
mysql> show tables;\
+-----------------------+
| Tables_in_borrowers_db |
+-----------------------+
| borrowers             |
+-----------------------+
1 row in set (0.00 sec)
```

```
mysql> describe borrowers;
+-----------------------------+-------------+------+-----+---------+-------+
| Field                       | Type        | Null | Key | Default | Extra |
+-----------------------------+-------------+------+-----+---------+-------+
| Name                        | varchar(255) | YES  |     | NULL    |       |
| Date_of_Birth               | date        | YES  |     | NULL    |       |
| Gender                      | varchar(255) | YES  |     | NULL    |       |
| Marital_Status              | varchar(255) | YES  |     | NULL    |       |
| Phone_Number                | bigint      | YES  |     | NULL    |       |
| Email_Address               | varchar(255) | YES  |     | NULL    |       |
| Mailing_Address             | text        | YES  |     | NULL    |       |
| Language_Preference         | varchar(255) | YES  |     | NULL    |       |
| Geographical_Location       | varchar(255) | YES  |     | NULL    |       |
| Credit_Score                | int         | YES  |     | NULL    |       |
| Loan_Amount                 | int         | YES  |     | NULL    |       |
| Loan_Term                   | int         | YES  |     | NULL    |       |
| Interest_Rate               | float       | YES  |     | NULL    |       |
| Loan_Purpose                | varchar(255) | YES  |     | NULL    |       |
| EMI                         | float       | YES  |     | NULL    |       |
| IP_Address                  | varchar(255) | YES  |     | NULL    |       |
| Geolocation                 | varchar(255) | YES  |     | NULL    |       |
| Repayment_History           | text        | YES  |     | NULL    |       |
| Days_Left_to_Pay_Current_EMI | int         | YES  |     | NULL    |       |
| Delayed_Payment             | varchar(255) | YES  |     | NULL    |       |
+-----------------------------+-------------+------+-----+---------+-------+
20 rows in set (0.00 sec)

1.
mysql> SELECT AVG(Loan_Amount) AS average_loan_amount
    -> FROM borrowers
    -> WHERE Days_Left_to_Pay_Current_EMI > 5;
+--------------------+
| average_loan_amount |
+--------------------+
|         15000.0000 |
+--------------------+
1 row in set (0.00 sec)

—----------------------------------------------------------------------------------------------------------------------------------
2.
mysql> SELECT Name, Loan_Amount
    -> FROM borrowers
    -> ORDER BY Loan_Amount DESC
    -> LIMIT 10;
+----------+-------------+
| Name     | Loan_Amount |
+----------+-------------+
| Jane Doe |       15000 |
```

```
| John Doe |       10000 |
+----------+-------------+
2 rows in set (0.00 sec)
```

3.

```
mysql> SELECT Name, Repayment_History
    -> FROM borrowers
    -> WHERE Delayed_Payment = 'No';
+----------+------------------+
| Name     | Repayment_History |
+----------+------------------+
| John Doe | Good              |
| Jane Doe | Excellent         |
+----------+------------------+

2 rows in set (0.00 sec)
```

4.

```
mysql> SELECT Loan_Purpose, COUNT(*) AS count, AVG(Loan_Amount) AS
average_loan_amount, AVG(Credit_Score) AS average_credit_score
    -> FROM borrowers
    -> GROUP BY Loan_Purpose;
+--------------+-------+--------------------+---------------------+
| Loan_Purpose | count | average_loan_amount | average_credit_score |
+--------------+-------+--------------------+---------------------+
| Personal     |     1 |         10000.0000 |             700.0000 |
| Business     |     1 |         15000.0000 |             750.0000 |
+--------------+-------+--------------------+---------------------+
2 rows in set (0.04 sec)

mysql>
```