Assignment No:3

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Microsoft Windows [Version 10.0.22000.795]
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C:\Users\Azad>mysql -u root -p Enter
password: ************
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.30 MySQL Community Server - GPL

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owners.

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

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| assign2            |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
| Azad               |
+--------------------+
6 rows in set (0.00 sec)

mysql> use Azad;
Database changed
mysql> show tables;
+------------------+
|  Tables_in_Azad  |
+------------------+
| acc_info         |
| cust_info        |
| employee         |
| result           |
| stud_mark        |
| stud_marks       |
+------------------+
6 rows in set (0.00 sec)

mysql> select * from cust_info;
+--------+----------+------------+
| C_id   | C_name   | City       |
+--------+----------+------------+
|      1 | John     | Nashik     |
|      2 | Seema    | Aurangabad |
|      3 | Amita    | Nagar      |
|      4 | Rakesh   | Pune       |
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|     5 | Samata  | Nashik    |
|     6 | Ankita  | Chandwad  |
|     7 | Bhavika | Pune      |
|     8 | Deepa   | Mumbai    |
|     9 | Nitin   | Nagpur    |
|    10 | Pooja   | Pune      |
+--------+--------------------+-----------------------+
10 rows in set (0.00 sec)

mysql> select * from acc_info;
+--------+-----------------+-----------+
| C_id | Acc_type | Amount |
+--------+-----------------+-----------+
|     1 | Current  |   5000 |
|     2 | Saving   |  20000 |
|     3 | Saving   |  70000 |
|     4 | Saving   |  50000 |
|     6 | Current  |  35000 |
|     7 | Loan     |  30000 |
|     8 | Saving   |  50000 |
|     9 | Saving   |  90000 |
|    10 | Loan     |   8000 |
|    11 | Current  |  45000 |
+--------+-----------------+-----------+
10 rows in set (0.00 sec)

mysql> select cust_info.C_name, acc_info.Acc_Type, Amount from
cust_info,acc_info
    -> where cust_info.C_id = acc_info.C_id and Acc_type = "Saving";
+-----------+-----------------+---------------+
| C_name | Acc_Type | Amount |
+-----------+-----------------+---------------+
| Seema  | Saving   |  20000 |
| Amita  | Saving   |  70000 |
| Rakesh | Saving   |  50000 |
| Deepa  | Saving   |  50000 |
| Nitin  | Saving   |  90000 |
+-----------+-----------------+---------------+
5 rows in set (0.00 sec)

mysql> select cust_info.C_id, C_name, City, acc_info.Acc_type, Amount
from cust_info, acc_info
    -> where  cust_info.C_id = acc_info.C_id;
+--------+-----------------+-----------------------+-----------------+---------------+
| C_id | C_name  | City         | Acc_type | Amount |
+--------+-----------------+-----------------------+-----------------+---------------+
|     1 | John    | Nashik       | Current  |   5000 |
|     2 | Seema   | Aurangabad   | Saving   |  20000 |
|     3 | Amita   | Nagar        | Saving   |  70000 |
|     4 | Rakesh  | Pune         | Saving   |  50000 |
|     6 | Ankita  | Chandwad     | Current  |  35000 |
|     7 | Bhavika | Pune         | Loan     |  30000 |
|     8 | Deepa   | Mumbai       | Saving   |  50000 |
|     9 | Nitin   | Nagpur       | Saving   |  90000 |
|    10 | Pooja   | Pune         | Loan     |   8000 |
+--------+-----------------+-----------------------+-----------------+---------------+
9 rows in set (0.00 sec)
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```
 mysql> select cust_info.C_id, C_name, City, acc_info.Acc_type,
 from cust_info
     -> left join acc_info on cust_info.C_id = acc_info.C_id;
+---------+----------+------------+----------+--------+
| C_id    | C_name   | City       | Acc_type | Amount |
+---------+----------+------------+----------+--------+
|       1 | John     | Nashik     | Current  |   5000 |
|       2 | Seema    | Aurangabad | Saving   |  20000 |
|       3 | Amita    | Nagar      | Saving   |  70000 |
|       4 | Rakesh   | Pune       | Saving   |  50000 |
|       5 | Samata   | Nashik     | NULL     |   NULL |
|       6 | Ankita   | Chandwad   | Current  |  35000 |
|       7 | Bhavika  | Pune       | Loan     |  30000 |
|       8 | Deepa    | Mumbai     | Saving   |  50000 |
|       9 | Nitin    | Nagpur     | Saving   |  90000 |
|      10 | Pooja    | Pune       | Loan     |   8000 |
+---------+----------+------------+----------+--------+
10 rows in set (0.00 sec)

mysql> select cust_info.C_id, C_name, City, acc_info.Acc_type, Amount
from cust_info
     -> right join acc_info on cust_info.C_id = acc_info.C_id;
+---------+----------+------------+----------+--------+
| C_id    | C_name   | City       | Acc_type | Amount |
+---------+----------+------------+----------+--------+
|       1 | John     | Nashik     | Current  |   5000 |
|       2 | Seema    | Aurangabad | Saving   |  20000 |
|       3 | Amita    | Nagar      | Saving   |  70000 |
|       4 | Rakesh   | Pune       | Saving   |  50000 |
|       6 | Ankita   | Chandwad   | Current  |  35000 |
|       7 | Bhavika  | Pune       | Loan     |  30000 |
|       8 | Deepa    | Mumbai     | Saving   |  50000 |
|       9 | Nitin    | Nagpur     | Saving   |  90000 |
|      10 | Pooja    | Pune       | Loan     |   8000 |
|    NULL | NULL     | NULL       | Current  |  45000 |
+---------+----------+------------+----------+--------+
10 rows in set (0.00 sec)

mysql> select cust_info.C_id, C_name, City, acc_info.Acc_type, Amount
from cust_info,acc_info
     -> where cust_info.C_id = acc_info.C_id and City = "Pune";
+---------+----------+------+----------+--------+
| C_id    | C_name   | City | Acc_type | Amount |
+---------+----------+------+----------+--------+
|       4 | Rakesh   | Pune | Saving   |  50000 |
|       7 | Bhavika  | Pune | Loan     |  30000 |
|      10 | Pooja    | Pune | Loan     |   8000 |
+---------+----------+------+----------+--------+
3 rows in set (0.00 sec)

mysql> select avg(Amount) as Avg_Amount from acc_info;
+------------+
| Avg_Amount |
+------------+
| 40300.0000 |
+------------+
1 row in set (0.00 sec)
```

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 mysql> select cust_info.C_id, C_name, City, acc_info.Acc_type,
 from cust_info,acc_info
     -> where cust_info.C_id = acc_info.C_id and acc_info.Amount < (select
 avg(Amount) from acc_info);
 +--------+----------+------------+----------+--------+
 | C_id | C_name   | City       | Acc_type | Amount |
 +--------+----------+------------+----------+--------+
 |     1 | John     | Nashik     | Current  |   5000 |
 |     2 | Seema    | Aurangabad | Saving   |  20000 |
 |     6 | Ankita   | Chandwad   | Current  |  35000 |
 |     7 | Bhavika  | Pune       | Loan     |  30000 |
 |    10 | Pooja    | Pune       | Loan     |   8000 |
 +--------+----------+------------+----------+--------+
 5 rows in set (0.00 sec)

 mysql> select max(Amount) as Maximum_Amount from acc_info;
 +----------------+
 | Maximum_Amount |
 +----------------+
 |          90000 |
 +----------------+
 1 row in set (0.00 sec)

 mysql> select cust_info.C_id from cust_info, acc_info
     -> where cust_info.C_id = acc_info.C_id and acc_info.Amount = (select
 max(Amount) from acc_info);
 +--------+
 | C_id |
 +--------+
 |     9 |
 +--------+
 1 row in set (0.00 sec)

 mysql> select min(Amount) as Minimum_Amount from acc_info group by
 Acc_type;
 +----------------+
 | Minimum_Amount |
 + ——————————+
 |           5000 |
 |          20000 |
 |           8000 |
 +——————————+
 3 rows in set (0.00 sec)

 mysql> select Acc_type, Amount from acc_info where Amount in (select
 min(Amount) from acc_info group by Acc_type);
 +------------+--------+
 | Acc_type | Amount |
 +------------+--------+
 | Current  |   5000 |
 | Saving   |  20000 |
 | Loan     |   8000 |
 +------------+--------+
 3 rows in set (0.00 sec)

 mysql> select Amount from acc_info where Acc_type = "Saving";
 +----------+
 | Amount |
```

```
+-----------+
|   20000   |
|   70000   |
|   50000   |
|   50000   |
|   90000   |
+-----------+
5 rows in set (0.00 sec)

mysql> select Amount from acc_info where Amount > any (select Amount from
acc_info where Acc_type ="Saving");
+-----------+
| Amount    |
+-----------+
|   70000   |
|   50000   |
|   35000   |
|   30000   |
|   50000   |
|   90000   |
|   45000   |
+-----------+
7 rows in set (0.00 sec)
```