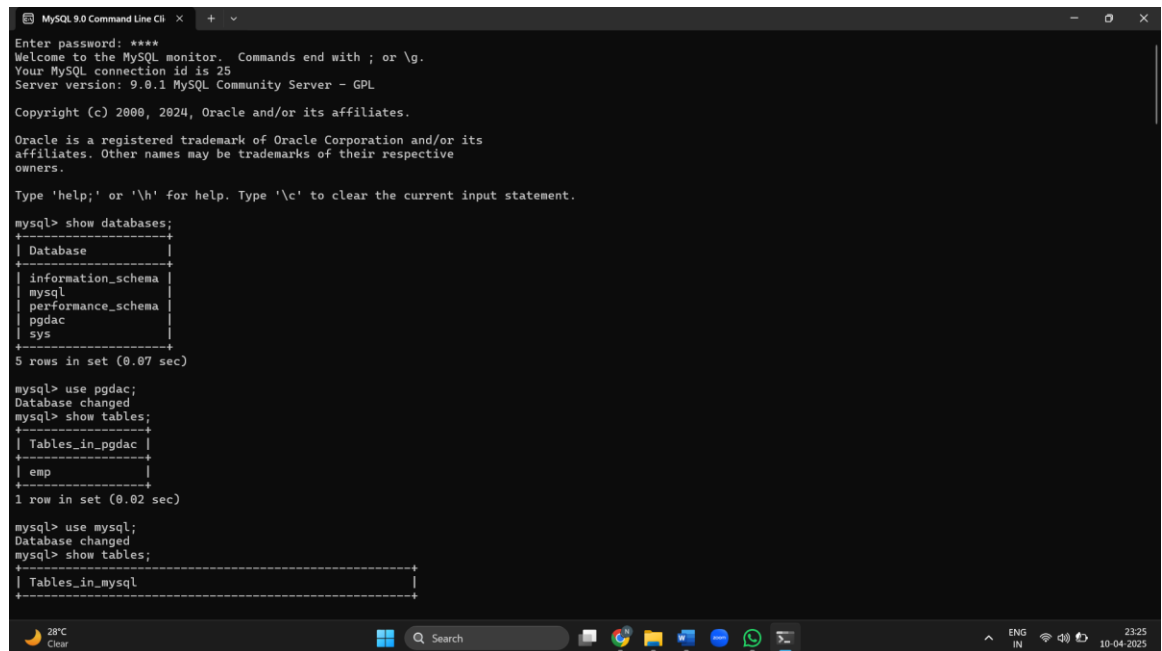


Assignment –4

Retrieving Information from Tables.

- 1) Write a select command that produces the order number, amount, and date for all rows in the Orders table.
- 2) Write a query that produces all rows from the Customers table for which the salesperson's number is 1001.
- 3) Write a query that displays the Salespeople table with the columns in the following order: city, sname, snum, comm.
- 4) Write a select command that produces the rating followed by the name of each customer in San Jose.
- 5) Write a query that will produce the snum values of all salespeople (suppress the duplicates) with orders in the Orders table.



```
MySQL 9.0 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 25
Server version: 9.0.1 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 |
+-----+
| information_schema |
| mysql |
| performance_schema |
| pgdacc |
| sys |
+-----+
5 rows in set (0.07 sec)

mysql> use pgdacc;
Database changed
mysql> show tables;
+-----+
| Tables_in_pgdacc |
+-----+
| emp |
+-----+
1 row in set (0.02 sec)

mysql> use mysql;
Database changed
mysql> show tables;
+-----+
| Tables_in_mysql |
+-----+
```

```
MySQL 9.0 Command Line C# x + -
| columns_priv
| component
| customers
| db
| default_roles
| eng
| engine_cost
| func
| general_log
| global_grants
| gtid_executed
| help_category
| help_keyword
| help_relation
| help_topic
| innodb_index_stats
| innodb_table_stats
| ndb_binlog_index
| orders
| password_history
| plugin
| procs_priv
| proxies_priv
| replication_asynchronous_connection_failover
| replication_asynchronous_connection_failover_managed
| replication_group_configuration_version
| replication_group_member_actions
| role_edges
| salespeople
| server_cost
| servers
| slave_master_info
| slave_relay_log_info
| slave_worker_info
| slow_log
| tables_priv
| time_zone
| time_zone_leap_second
| time_zone_name
| time_zone_transition
| time_zone_transition_type
```

```
MySQL 9.0 Command Line C# x + -
mysql> select * from orders;
+-----+-----+-----+-----+
| Onum | Amt  | Odate | Cnum | Snum |
+-----+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+
10 rows in set (0.03 sec)

mysql> select * from orders where Onum Amt Odata ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'A
mt Odata' at line 1
mysql> select Onum Amt Odata from orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'O
data from orders' at line 1
mysql> select Onum,Amt,Odata from orders;
ERROR 1054 (42S22): Unknown column 'Odata' in 'field list'
mysql> select Onum,Amt,Odata from orders;
ERROR 1054 (42S22): Unknown column 'Odata' in 'field list'
mysql> select Onum,Amt,Odate from orders;
+-----+-----+-----+
| Onum | Amt  | Odate |
+-----+-----+-----+
| 3001 | 18.69 | 1990-10-03 |
| 3002 | 1900.10 | 1990-10-03 |
| 3003 | 767.19 | 1990-10-03 |
| 3005 | 5160.45 | 1990-10-03 |
| 3006 | 1098.16 | 1990-10-03 |
| 3007 | 75.75 | 1990-10-04 |
| 3008 | 4723.00 | 1990-10-05 |
| 3009 | 1713.23 | 1990-10-04 |
| 3010 | 1309.95 | 1990-10-06 |
| 3011 | 9891.88 | 1990-10-06 |
+-----+-----+-----+
```

```
MySQL 9.0 Command Line C# x + v
| 3010 | 1309.95 | 1990-10-06 |
| 3011 | 9891.88 | 1990-10-06 |
+-----+-----+-----+
10 rows in set (0.00 sec)

mysql> select * from salesperson;
ERROR 1146 (42S02): Table 'mysql.salesperson' doesn't exist
mysql> select * from SALESPERSON;
ERROR 1146 (42S02): Table 'mysql.salesperson' doesn't exist
mysql> SHOW TABLES;
+-----+
| Tables_in_mysql |
+-----+
| columns_priv     |
| component        |
| customers        |
| db               |
| default_roles    |
| emp              |
| engine_cost      |
| func             |
| general_log      |
| global_grants    |
| gtid_executed    |
| help_category    |
| help_keyword     |
| help_relation    |
| help_topic       |
| innodb_index_stats |
| innodb_table_stats |
| ndb_binlog_index |
| orders           |
| password_history |
| plugin           |
| proc_priv        |
| proxies_priv     |
| replication_asynchronous_connection_failover |
| replication_asynchronous_connection_failover_managed |
| replication_group_configuration_version |
| replication_group_member_actions |
| role_edges       |
+-----+
```

```
MySQL 9.0 Command Line C# x + v
| server_cost      |
| servers          |
| slave_master_info |
| slave_relay_log_info |
| slave_worker_info |
| slow_log         |
| tables_priv      |
| time_zone        |
| time_zone_leap_second |
| time_zone_name   |
| time_zone_transition |
| time_zone_transition_type |
| user             |
+-----+
42 rows in set (0.01 sec)

mysql> Show * from salespeople;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '*'
from salespeople' at line 1
mysql> select * from salespeople;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
| 1002 | Serres | San Jose | 0.13 |
| 1003 | Axelrod | New York | 0.10 |
| 1004 | Motika | London | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql> select * from salespeople where Snum=1001;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 's
elect * from salespeople where Snum=1001' at line 1
mysql> select * from salespeople where Snum=1001;
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
```

```
MySQL 9.0 Command Line C# x + v
+-----+-----+-----+-----+
| Snum | Sname | City | Comm |
+-----+-----+-----+-----+
| 1001 | Peel | London | 0.12 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql> select * from salespeople where city,sname,snum,comm;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ',
sname,snum,comm' at line 1
mysql> select city,sname,snum,comm from salespeople;
+-----+-----+-----+-----+
| city | sname | snum | comm |
+-----+-----+-----+-----+
| London | Peel | 1001 | 0.12 |
| San Jose | Serres | 1002 | 0.13 |
| New York | Axelrod | 1003 | 0.10 |
| London | Motika | 1004 | 0.11 |
| Barcelona | Rifkin | 1007 | 0.15 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql> select * from customers;
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100 | 1001 |
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2006 | Clemens | London | 100 | 1001 |
| 2007 | Pereira | Rome | 100 | 1004 |
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+-----+-----+-----+-----+
7 rows in set (0.01 sec)

mysql> SELECT rating, name
-> FROM Customer
-> WHERE city = 'San Jose';
ERROR 1146 (42S02): Table 'mysql.customer' doesn't exist
mysql> SELECT rating, name
```

```
MySQL 9.0 Command Line C# x + v
+-----+-----+-----+-----+
| 2008 | Cisneros | San Jose | 300 | 1007 |
+-----+-----+-----+-----+
7 rows in set (0.01 sec)

mysql> SELECT rating, name
-> FROM Customer
-> WHERE city = 'San Jose';
ERROR 1146 (42S02): Table 'mysql.customer' doesn't exist
mysql> SELECT rating, name
-> FROM Customers
-> WHERE city = 'San Jose';
ERROR 1054 (42S22): Unknown column 'name' in 'field list'
mysql> SELECT rating, Cname
-> FROM Customer
-> WHERE city = 'San Jose';
ERROR 1146 (42S02): Table 'mysql.customer' doesn't exist
mysql> SELECT rating, Cname
-> FROM Customers
-> WHERE city = 'San Jose';
+-----+-----+
| rating | Cname |
+-----+-----+
| 200 | Liu |
| 300 | Cisneros |
+-----+-----+
2 rows in set (0.00 sec)

mysql> SELECT DISTINCT snum
-> FROM Orders;
+-----+
| snum |
+-----+
| 1007 |
| 1004 |
| 1001 |
| 1002 |
| 1003 |
+-----+
5 rows in set (0.01 sec)

mysql>
```