**Assignment 7A**

mysql> create database store;

Query OK, 1 row affected (0.01 sec)

mysql> use store;

Database changed

mysql> create table orders (u\_id int,u\_name varchar(20),o\_id int auto\_increment,primary key(o\_id),item varchar(30),price int,address varchar(20),o\_date date);

Query OK, 0 rows affected (0.02 sec)

mysql> desc orders;

+---------+-------------+------+-----+---------+----------------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+----------------+

| u\_id | int | YES | | NULL | |

| u\_name | varchar(20) | YES | | NULL | |

| o\_id | int | NO | PRI | NULL | auto\_increment |

| item | varchar(30) | YES | | NULL | |

| price | int | YES | | NULL | |

| address | varchar(20) | YES | | NULL | |

| o\_date | date | YES | | NULL | |

+---------+-------------+------+-----+---------+----------------+

7 rows in set (0.00 sec)

mysql> insert into orders (u\_id,u\_name,o\_id,item,price,address,o\_date) values (100,'Rahul',1,'brush',20,'pune',CURRENT\_DATE);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (100,'Rahul','Shoes',5000,'pune',CURRENT\_DATE);

Query OK, 1 row affected (0.00 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (100,'Rahul','shirt',1000,'pune',CURRENT\_DATE);

Query OK, 1 row affected (0.00 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (101,'Neha','shirt',1000,'nagpur',CURRENT\_DATE);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (101,'Neha','jeans',1500,'nagpur',CURRENT\_DATE);

Query OK, 1 row affected (0.01 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (102,'Simran','blue jeans',2500,'pune',CURRENT\_DATE);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from orders;

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |

| 100 | Rahul | 2 | Shoes | 5000 | pune | 2023-05-08 |

| 100 | Rahul | 3 | shirt | 1000 | pune | 2023-05-08 |

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

| 101 | Neha | 5 | jeans | 1500 | nagpur | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

6 rows in set (0.00 sec)

mysql> select \* from orders where u\_name='Simran';

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

1 row in set (0.00 sec)

mysql> select \* from orders where o\_id=4;

+------+--------+------+-------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+-------+-------+---------+------------+

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

+------+--------+------+-------+-------+---------+------------+

1 row in set (0.01 sec)

mysql> select sum(price) as total\_price from orders;

+-------------+

| total\_price |

+-------------+

| 11020 |

+-------------+

1 row in set (0.01 sec)

mysql> select \* from orders order by price desc;

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 100 | Rahul | 2 | Shoes | 5000 | pune | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

| 101 | Neha | 5 | jeans | 1500 | nagpur | 2023-05-08 |

| 100 | Rahul | 3 | shirt | 1000 | pune | 2023-05-08 |

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

6 rows in set (0.00 sec)

mysql> select \* from orders where u\_name like 'Rav%';

Empty set (0.01 sec)

mysql> select \* from orders where price=(select max(price) from orders);

+------+--------+------+-------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+-------+-------+---------+------------+

| 100 | Rahul | 2 | Shoes | 5000 | pune | 2023-05-08 |

+------+--------+------+-------+-------+---------+------------+

1 row in set (0.00 sec)

mysql> select \* from orders where address='pune' and o\_date='2016-08-22';

Empty set (0.01 sec)

mysql> update orders set price=10000 where o\_id=2;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update orders set price=price-((5\*price)/100) where price>=10000;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from orders;

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |

| 100 | Rahul | 2 | Shoes | 9500 | pune | 2023-05-08 |

| 100 | Rahul | 3 | shirt | 1000 | pune | 2023-05-08 |

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

| 101 | Neha | 5 | jeans | 1500 | nagpur | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

6 rows in set (0.00 sec)

mysql> delete from orders where o\_id=2;

Query OK, 1 row affected (0.01 sec)

mysql> select \* from orders;

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |

| 100 | Rahul | 3 | shirt | 1000 | pune | 2023-05-08 |

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

| 101 | Neha | 5 | jeans | 1500 | nagpur | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

5 rows in set (0.00 sec)

mysql> create table i\_orders(o\_id int,item varchar(20),quantity int);

Query OK, 0 rows affected (0.02 sec)

mysql> desc i\_orders;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| o\_id | int | YES | | NULL | |

| item | varchar(20) | YES | | NULL | |

| quantity | int | YES | | NULL | |

+----------+-------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

mysql> insert into i\_orders values(1,'brush',5),(2,'jacket',7),(4,'shirt',1),(6,'blue jeans',2);

Query OK, 4 rows affected (0.01 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> select \* from i\_orders;

+------+------------+----------+

| o\_id | item | quantity |

+------+------------+----------+

| 1 | brush | 5 |

| 2 | jacket | 7 |

| 4 | shirt | 1 |

| 6 | blue jeans | 2 |

+------+------------+----------+

4 rows in set (0.00 sec)

mysql> select orders.o\_id,i\_orders.o\_id from i\_orders inner join orders on orders.o\_id=i\_orders.o\_id;

+------+------+

| o\_id | o\_id |

+------+------+

| 1 | 1 |

| 4 | 4 |

| 6 | 6 |

+------+------+

3 rows in set (0.00 sec)

mysql> select orders.o\_id,i\_orders.item from orders left join i\_orders on orders.o\_id=i\_orders.o\_id;

+------+------------+

| o\_id | item |

+------+------------+

| 1 | brush |

| 3 | NULL |

| 4 | shirt |

| 5 | NULL |

| 6 | blue jeans |

+------+------------+

5 rows in set (0.00 sec)

mysql> select orders.item,i\_orders.o\_id from orders FULL OUTER JOIN i\_orders on orders.o\_id=i\_orders.o\_id;

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 'OUTER JOIN i\_orders on orders.o\_id=i\_orders.o\_id' at line 1

+------+------------+

| o\_id | item |

+------+------------+

| 1 | brush |

| 2 | NULL |

| 3 | NULL |

| 4 | shirt |

| 5 | NULL |

| 6 | blue jeans |

+------+------------+

6 rows in set (0.00 sec)

**Assignment 7B**

mysql> select count(distinct u\_name) as total\_customers from orders;

+-----------------+

| total\_customers |

+-----------------+

| 3 |

+-----------------+

1 row in set (0.01 sec)

mysql> select u\_name,avg(price) from orders group by u\_name;

+--------+------------+

| u\_name | avg(price) |

+--------+------------+

| Rahul | 510.0000 |

| Neha | 1250.0000 |

| Simran | 2500.0000 |

+--------+------------+

3 rows in set (0.00 sec)

mysql> select u\_name,sum(price) as total\_amount from orders group by u\_name;

+--------+--------------+

| u\_name | total\_amount |

+--------+--------------+

| Rahul | 1020 |

| Neha | 2500 |

| Simran | 2500 |

+--------+--------------+

3 rows in set (0.00 sec)

mysql> select day(o\_date),month(o\_date),year(o\_date) from orders;

+-------------+---------------+--------------+

| day(o\_date) | month(o\_date) | year(o\_date) |

+-------------+---------------+--------------+

| 8 | 5 | 2023 |

| 8 | 5 | 2023 |

| 8 | 5 | 2023 |

| 8 | 5 | 2023 |

| 8 | 5 | 2023 |

+-------------+---------------+--------------+

5 rows in set (0.01 sec)

mysql> select now();

+---------------------+

| now() |

+---------------------+

| 2023-05-08 01:25:47 |

+---------------------+

1 row in set (0.00 sec)

mysql> select current\_date;

+--------------+

| current\_date |

+--------------+

| 2023-05-08 |

+--------------+

1 row in set (0.00 sec)

mysql> select curtime();

+-----------+

| curtime() |

+-----------+

| 01:25:06 |

+-----------+

1 row in set (0.00 sec)

mysql> select date\_add(CURRENT\_DATE,interval 6 month) as '6 months future';

+-----------------+

| 6 months future |

+-----------------+

| 2023-11-08 |

+-----------------+

1 row in set (0.00 sec)

mysql> select date\_add(CURRENT\_DATE,interval -6 month) as '6 months past';

+---------------+

| 6 months past |

+---------------+

| 2022-11-08 |

+---------------+

1 row in set (0.00 sec)

mysql> select item from orders group by item;

+------------+

| item |

+------------+

| brush |

| shirt |

| jeans |

| blue jeans |

+------------+

4 rows in set (0.00 sec)

mysql> select max(price) as 'highest price' from orders;

+---------------+

| highest price |

+---------------+

| 2500 |

+---------------+

1 row in set (0.00 sec)

mysql> select min(price) as 'lowest price' from orders;

+--------------+

| lowest price |

+--------------+

| 20 |

+--------------+

1 row in set (0.00 sec)

mysql> select \* from orders where item not in('shirt','brush');

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 101 | Neha | 5 | jeans | 1500 | nagpur | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

2 rows in set (0.00 sec)

mysql> select \* from i\_orders where quantity in (1,5,10);

+------+-------+----------+

| o\_id | item | quantity |

+------+-------+----------+

| 1 | brush | 5 |

| 4 | shirt | 1 |

+------+-------+----------+

2 rows in set (0.00 sec)

mysql> insert into orders (u\_id,u\_name,item,price,address,o\_date) values (100,'Simran','apple 7',40000,'pune',CURRENT\_DATE);

Query OK, 1 row affected (0.01 sec)

mysql> update orders set price='50000' where o\_id=5;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from orders;

+------+--------+------+------------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+------------+-------+---------+------------+

| 100 | Rahul | 1 | brush | 20 | pune | 2023-05-08 |

| 100 | Rahul | 3 | shirt | 1000 | pune | 2023-05-08 |

| 101 | Neha | 4 | shirt | 1000 | nagpur | 2023-05-08 |

| 101 | Neha | 5 | jeans | 50000 | nagpur | 2023-05-08 |

| 102 | Simran | 6 | blue jeans | 2500 | pune | 2023-05-08 |

| 100 | Simran | 1002 | apple 7 | 40000 | pune | 2023-05-08 |

+------+--------+------+------------+-------+---------+------------+

6 rows in set (0.00 sec)

mysql> select \* from orders where price>(select price from orders where item='apple 7');

+------+--------+------+-------+-------+---------+------------+

| u\_id | u\_name | o\_id | item | price | address | o\_date |

+------+--------+------+-------+-------+---------+------------+

| 101 | Neha | 5 | jeans | 50000 | nagpur | 2023-05-08 |

+------+--------+------+-------+-------+---------+------------+

1 row in set (0.00 sec)

mysql> select max(price) as 'highest price' from orders;

+---------------+

| highest price |

+---------------+

| 50000 |

+---------------+

1 row in set (0.00 sec)