EXPERIMENT NO: - 09

Write a program to demonstrate view.
View creation:-
use RMS_2;
select * from Passenger;
select * from Ticket;

creating a view V1
create view v1 as select * from Passenger
where Age>25;
select * from V1;
insert into V1 values(570,'Walter',31,'Male',370,2120017791);
select * from V1;
select * from Passenger;

updation
update v1
set Age=30
where P_name='Alice';

select * from V1;
select * from Passenger;

#deletion
delete from V1
where P_name='Walter';
select * from V1;
select* from Passenger;

#Output: -

Enter password: ****
Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 33
Server version: 8.0.27 MySQL Community Server - GPL Copyright (c) 2000, 2021, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement. mysql> use RMS_2;
Database changed
mysql> select * from Passenger;

+   +   +   +   +   +   +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR |
+   +   +   +   +   +   +

201	Barry	21	Male	596	308123905
217	Mark	24	Male	136	1265577771
239	Alice	29	Female	245	1975364587
340	Natasha	32	Female	169	2110755678
367	Tony	24	Male	101	2120017791
+   +   +   +   +   +   +
5 rows in set (0.00 sec)

mysql> select * from Ticket;
+   +   +   + +   +   +   +   +
| PNR | Ticket_ID | Arrtime | Deptime | Trainno | Tktamt | Seat_no | Reserve_status |
+   +   +
+
308123905	596	20:04:15	20:07:19	21673
1265577771	136	12:47:10	12:50:10	22154
1975364587	245	07:40:15	07:45:58	19134
2110755678	169	16:20:38	16:24:34	27139
2120017791	101	04:35:10	04:40:10	12139
2146865786	199	11:20:38	11:24:34	29123
+   +   +   +
6 rows in set (0.00 sec)   + 420 |
376 |
298 |
380 |
289 |
478 |
+   +   +
70 | CNF
15 | CNF
63 | CNF
37 | CNF
12 | CNF
65 | CNF
+   +   +

|
|
|
|
|
|
+   +

+

```
mysql> create view v1 as
-> select * from Passenger
-> where Age>25;
Query OK, 0 rows affected (0.02 sec)

mysql> select * from V1;
+        +        +        +        +        +        +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR        |
+        +        +        +        +        +        +
| 239 | Alice    | 29 | Female | 245 | 1975364587 |
| 340 | Natasha |        32 | Female |    169 | 2110755678 |
+        +        +        +        +        +        +
2        rows in set (0.01 sec)

mysql> insert into V1 values(570,'Walter',31,'Male',370,2120017791);

Query OK, 1 row affected (0.00 sec)

mysql> select * from V1;
+        +        +        +        +        +        +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR        |
+        +        +        +        +        +        +
| 239 | Alice    | 29 | Female | 245 | 1975364587 |
| 340 | Natasha |        32 | Female |    169 | 2110755678 |
| 570 | Walter |        31 | Male | 370 | 2120017791 |

+        +        +        +
3        rows in set (0.00 sec)

+        +        +


mysql> select * from Passenger;
+        +        +        +        +        +        +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR        |
+        +        +        +        +        +        +
| 201 | Barry | 21 | Male | 596 | 308123905 |
| 217 | Mark |   24 | Male | 136 | 1265577771 |
| 239 | Alice    | 29 | Female | 245 | 1975364587 |
| 340 | Natasha |        32 | Female |    169 | 2110755678 |
| 367 | Tony | 24 | Male | 101 | 2120017791 |
| 570 | Walter |        31 | Male | 370 | 2120017791 |

+        +        +        +
6 rows in set (0.00 sec)

+        +        +
```

```
mysql> update v1
# run at shell
-> set Age=30
-> where P_name='Alice';
Query OK,
1 row affected (0.03 sec)
Rows matched: 1
Changed: 1
Warnings: 0

mysql> select * from V1;
+      +      +      +      +      +      +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR        |
+      +      +      +      +      +      +
| 239 | Alice    | 30 | Female | 245 | 1975364587 |
| 340 | Natasha |      32 | Female |    169 | 2110755678 |
| 570 | Walter |      31 | Male | 370 | 2120017791 |
+      +      +      +      +      +      +
3 rows in set (0.00 sec)

mysql> select * from Passenger;
+      +      +      +      +      +      +
| P_ID | P_name | Age | Gender | Ticket_ID | PNR        |


+      +      +      +      +      +      +
| 201 | Barry | 21 | Male | 596 | 308123905 |
| 217 | Mark | 24 | Male | 136 | 1265577771 |
| 239 | Alice    | 30 | Female | 245 | 1975364587 |
| 340 | Natasha |      32 | Female |    169 | 2110755678 |
| 367 | Tony | 24 | Male | 101 | 2120017791 |
| 570 | Walter |      31 | Male | 370 | 2120017791 |

+      +      +      +
6 rows in set (0.00 sec)

+      +      +


mysql> delete from V1
-> where P_name='Walter';
 Query OK,
1 row affected (0.01 sec)


mysql> select * from V1;
```

```
+-------+--------+-----+--------+-----------+------------+
| P_ID  | P_name | Age | Gender | Ticket_ID | PNR        |
+-------+--------+-----+--------+-----------+------------+
| 239   | Alice  | 30  | Female | 245       | 1975364587 |
| 340   | Natasha| 32  | Female | 169       | 2110755678 |
+-------+--------+-----+--------+-----------+------------+
2 rows in set (0.00 sec)

mysql> select * from Passenger;
+-------+--------+-----+--------+-----------+------------+
| P_ID  | P_name | Age | Gender | Ticket_ID | PNR        |
+-------+--------+-----+--------+-----------+------------+
| 201   | Barry  | 21  | Male   | 596       | 308123905  |
| 217   | Mark   | 24  | Male   | 136       | 1265577771 |
| 239   | Alice  | 30  | Female | 245       | 1975364587 |
| 340   | Natasha| 32  | Female | 169       | 2110755678 |
| 367   | Tony   | 24  | Male   | 101       | 2120017791 |
+-------+--------+-----+--------+-----------+------------+
```