**RDBMS ASSIGNMENT 2:**

create database Ecommerce;

mysql> show databases;

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

| Database |

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

| books |

| ecommerce |

| information\_schema |

| learn |

| mysql |

| performance\_schema |

| practical |

| sakila |

| student |

| sys |

| weboniselab |

| world |

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

12 rows in set (0.04 sec)

mysql> use Ecommerce;

Database changed

mysql> show tables;

Empty set (0.04 sec)

**USER TABLE:**

mysql> create table user(u\_id int PRIMARY KEY,name char(15),email varchar(25) NOT NULL,password varchar(16) CHECK(char\_length(password)>8));

Query OK, 0 rows affected (0.03 sec)

mysql> insert into user values(1,'komal wable','komalwable7090@gmail.com','komal123456');

Query OK, 1 row affected (0.04 sec)

mysql> insert into user values(2,'ayyush chothe','ayush7123@gmail.com','ayush1456');

Query OK, 1 row affected (0.04 sec)

mysql> insert into user values(3,'ketaki bhosale','ketakib0987@gmail.com','kb98234');

Query OK, 1 row affected (0.04 sec)

mysql> insert into user values(4,'mohit vyavhare','mohittv230@gmail.com','mohitv546');

Query OK, 1 row affected (0.04 sec)

mysql> insert into user values(5,'varada jadhav','vada7090@gmail.com','vjay63362');

Query OK, 1 row affected (0.04 sec)

mysql> select \* from user;

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

| u\_id | name | email | password |

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

| 1 | komal wable | komalwable7090@gmail.com | koma123456 |

| 2 | ayush chothe | ayushchothe7090@gmail.com | ayush123456 |

| 3 | mohit vyavhare | mohit4323@gmail.com | mohitv9028 |

| 4 | ketaki khaire | ketaki4323@gmail.com | ketakivk9028 |

| 5 | riddhiborhade | riddhi123@gmail.com | rb12345678 |

| 6 | varada tank | vada4323@gmail.com | vtjay9028 |

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

6 rows in set (0.04 sec)

**PRODUCT TABLE:**

mysql> create table product(p\_id int PRIMARY KEY,pname varchar(15),price int,u\_id int REFERENCES user(u\_id));

Query OK, 0 rows affected (0.03 sec)

mysql> Alter table product ADD FOREIGN KEY (u\_id) REFERENCES user(u\_id);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into product values(101,'watch12',34000,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product values(102,'books',4000,2);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product values(103,'shoes',8000,3);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product values(104,'mobile',48000,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into product values(105,'speaker',39000,5);

Query OK, 1 row affected (0.01 sec)

mysql> select\* from products;

ERROR 1146 (42S02): Table 'ecommerce.products' doesn't exist

mysql> select\* from product;

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

| p\_id | pname | price | u\_id |

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

| 101 | watch12 | 34000 | 1 |

| 102 | books | 4000 | 2 |

| 103 | shoes | 8000 | 3 |

| 104 | mobile | 48000 | 4 |

| 105 | speaker | 39000 | 5 |

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

5 rows in set (0.00 sec)

**ORDER TABLE:**

mysql> create table order2 (o\_id int PRIMARY KEY,o\_cost int,p\_id int REFERENCES product(p\_id),u\_id int REFERENCES user(u\_id));

Query OK, 0 rows affected (0.03 sec)

mysql> Alter table order2 ADD FOREIGN KEY (u\_id) REFERENCES user(u\_id);

Query OK, 0 rows affected (0.06 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> Alter table order2 ADD FOREIGN KEY (p\_id) REFERENCES product(p\_id);

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc order2;

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

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

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

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

| o\_cost | int | YES | | NULL | |

| p\_id | int | YES | MUL | NULL | |

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

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

4 rows in set (0.02 sec)

mysql> insert into order2 values(123456,23000,101,1);

Query OK, 1 row affected (0.01 sec)

mysql> insert into order2 values(561234,239000,102,2);

Query OK, 1 row affected (0.04 sec)

mysql> insert into order2 values(534892,342000,103,3);

Query OK, 1 row affected (0.04 sec)

mysql> insert into order2 values(783682,498800,104,4);

Query OK, 1 row affected (0.01 sec)

mysql> insert into order2 values(475332,521800,105,5);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from order2;

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

| o\_id | o\_cost | p\_id | u\_id |

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

| 123456 | 23000 | 101 | 1 |

| 475332 | 521800 | 105 | 5 |

| 534892 | 342000 | 103 | 3 |

| 561234 | 239000 | 102 | 2 |

| 783682 | 498800 | 104 | 4 |

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

5 rows in set (0.00 sec)

**TRANSACTION TABLE:**

create table transactions1(t\_id int PRIMARY KEY,date\_of\_Transaction DATE NOT NULL,discount int,payment\_method varchar(15),payment\_status varchar(15),o\_id int REFERENCES order2(o\_id));

Query OK, 0 rows affected (0.03 sec)

mysql> desc transactions;

ERROR 1146 (42S02): Table 'ecommerce.transactions' doesn't exist

mysql> desc transactions1;

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

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

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

| t\_id | int | NO | PRI | NULL | |

| date\_of\_Transaction | date | NO | | NULL | |

| discount | int | YES | | NULL | |

| payment\_method | varchar(15) | YES | | NULL | |

| payment\_status | varchar(15) | YES | | NULL | |

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

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

6 rows in set (0.01 sec)

mysql> insert into transactions1(11,'2021-5-12',20,'cash','successful',123456);

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 '11,'2021-5-12',20,'cash','successful',123456)' at line 1

mysql> insert into transactions1 values (11,'2021-5-12',20,'cash','successful',123456);

Query OK, 1 row affected (0.04 sec)

mysql> insert into transactions1 values (12,'2021-5-22',22,'cash','successful',475332);

Query OK, 1 row affected (0.01 sec)

mysql> insert into transactions1 values (13,'2021-6-8',30,'Gpay','successful',534892);

Query OK, 1 row affected (0.01 sec)

mysql> insert into transactions1 values (14,'2021-6-18',38,'phonepay','failed',561234);

Query OK, 1 row affected (0.01 sec)

mysql> insert into transactions1 values (15,'2021-7-28',42,'cheque','successful',783682);

Query OK, 1 row affected (0.04 sec)

mysql> select\* from transactions1;

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

| t\_id | date\_of\_Transaction | discount | payment\_method | payment\_status | o\_id |

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

| 11 | 2021-05-12 | 20 | cash | successful | 123456 |

| 12 | 2021-05-22 | 22 | cash | successful | 475332 |

| 13 | 2021-06-08 | 30 | Gpay | successful | 534892 |

| 14 | 2021-06-18 | 38 | phonepay | failed | 561234 |

| 15 | 2021-07-28 | 42 | cheque | successful | 783682 |

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

5 rows in set (0.01 sec)

mysql> create view v1

-> as select o\_id, o\_cost,date\_of\_Transaction, discount,payment\_method,payment\_status

-> from order2,transactions1

-> where order2.o\_id=transactions1.o\_id;

ERROR 1052 (23000): Column 'o\_id' in field list is ambiguous

mysql> create view v1

-> as select o\_cost,date\_of\_Transaction, discount,payment\_method,payment\_status

-> from order2,transactions1

-> where order2.o\_id=transactions1.o\_id;

Query OK, 0 rows affected (0.04 sec)

mysql> select\* from v1;

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

| o\_cost | date\_of\_Transaction | discount | payment\_method | payment\_status |

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

| 23000 | 2021-05-12 | 20 | cash | successful |

| 521800 | 2021-05-22 | 22 | cash | successful |

| 342000 | 2021-06-08 | 30 | Gpay | successful |

| 239000 | 2021-06-18 | 38 | phonepay | failed |

| 498800 | 2021-07-28 | 42 | cheque | successful |

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

5 rows in set (0.04 sec)

mysql> select order2.o\_id,order2.o\_cost,product.pname,product.price,user.name,user.email from ((order2 INNER JOIN product ON order2.p\_id=product.p\_id)INNER JOIN user ON order2.u\_id=user.u\_id);

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

| o\_id | o\_cost | pname | price | name | email |

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

| 123456 | 23000 | watch12 | 34000 | komal wable | komalwable7090@gmail.com |

| 475332 | 521800 | speaker | 39000 | riddhiborhade | riddhi123@gmail.com |

| 534892 | 342000 | shoes | 8000 | mohit vyavhare | mohit4323@gmail.com |

| 561234 | 239000 | books | 4000 | ayush chothe | ayushchothe7090@gmail.com |

| 783682 | 498800 | mobile | 48000 | ketaki khaire | ketaki4323@gmail.com |

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

5 rows in set (0.00 sec)

