ASSIGNMENT-2

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COURSE: MODERN APPLICATION DEVELOPMENT (JAVA

SPRING BOOT)

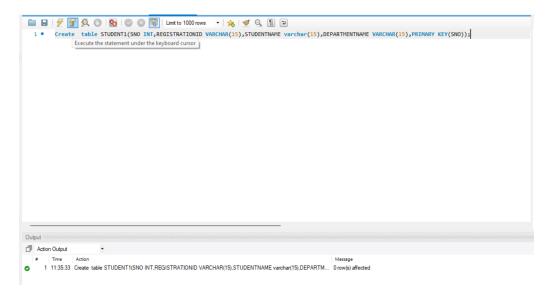
1) CREATE, UPDATE, DELETE COMMANDS IN SQL

CREATING TABLE NAMED STUDENT1

QUERY:

Create table STUDENT1(SNO INT, REGISTRATIONID VARCHAR(15), STUDENTNAME varchar(15), DEPARTMENTNAME VARCHAR(15), PRIMARY KEY(SNO));

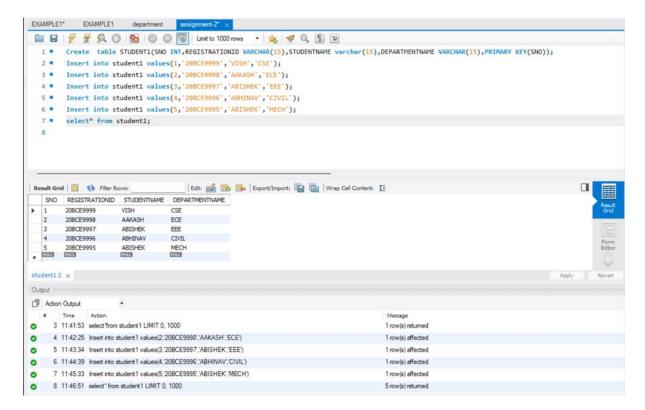
OUTPUT:Table named student1 created



INSERTING ROWS/RECORDS IN THE TABLE: QUERY:

```
Insert into student1 values(1,'20BCE9999','VISH','CSE');
Insert into student1
values(2,'20BCE9998','AAKASH','ECE');
Insert into student1
values(3,'20BCE9997','ABISHEK','EEE');
Insert into student1
values(4,'20BCE9996','ABHINAV','CIVIL');
Insert into student1
values(5,'20BCE9995','ABISHEK','MECH');
select* from student1;
```

OUPUT:



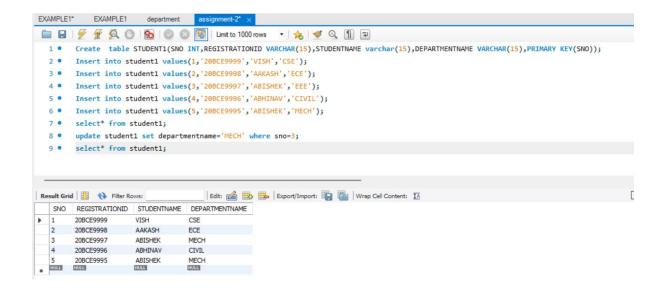
UPDATING:

UPDATING the table student1 to change the department name from "EEE" to "MECH" whose sn0=3;

QUERY:

update student1 set departmentname='MECH' where sno=3;

select* from student1;



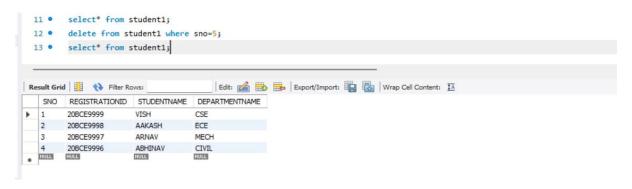
DELETING:

DELETING THE ROW WHICH HAS SN0=5

QUERY:

delete from student1 where sno=5;
select* from student1;

OUTPUT:



QN 2) CREATE TABLES AND PERFORM JOINS IN MYSQL

Creating tables

TABLE CUSTOMERS:

QUERY:

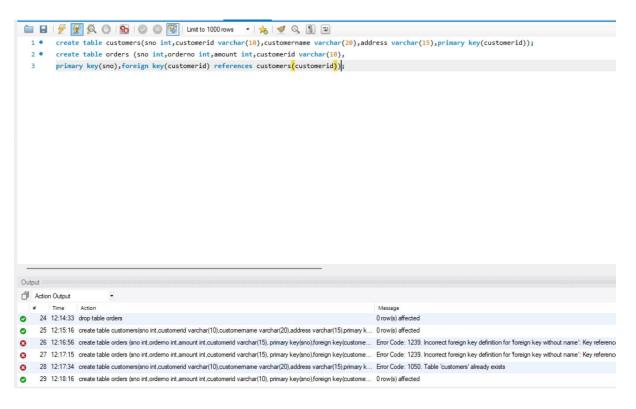
create table customers(sno int,customerid varchar(10),customername varchar(20),address varchar(15),primary key(customerid));

TABLE ORDERS:

QUERY:

create table orders (sno int, orderno int, amount int, customerid varchar(10),

primary key(sno),foreign key(customerid) references customers(customerid));



INSERTING INTO CUSTOMERS TABLE:

QUERY:

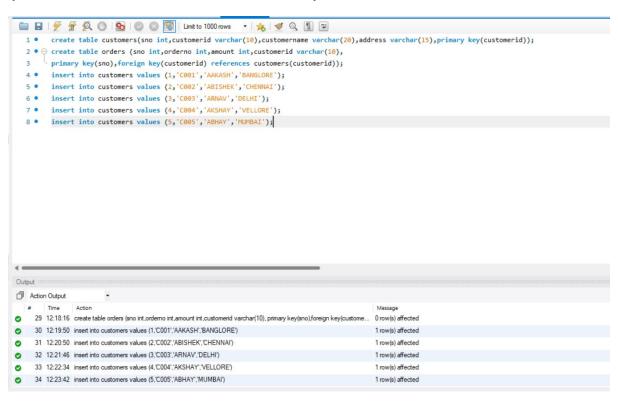
insert into customers values
(1,'C001','AAKASH','BANGLORE');

insert into customers values
(2,'C002','ABISHEK','CHENNAI');

insert into customers values (3,'C003','ARNAV','DELHI');

insert into customers values
(4,'C004','AKSHAY','VELLORE');

insert into customers values
(5,'C005','ABHAY','MUMBAI');



INSERTING INTO ORDERS TABLE:

insert into orders values(1,'0001',2000,'C001'); insert into orders values(2,'0002',1000,'C002'); insert into orders values(3,'0003',5000,'C003');

OUTPUT:

```
9 • insert into orders values(1,'0001',2000,'C001');
10 • insert into orders values(2,'0002',1000,'C002');
11 • insert into orders values(3,'0003',5000,'C003');

Output

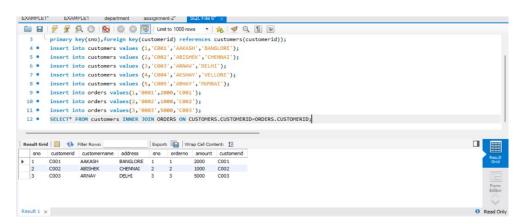
Action Output

* Time | Action | Message |
33 122234 insert into customers values (4,'C004','AKSHAY', VELLORE) | Trow(s) affected |
34 122342 insert into customers values (5,'C005','ABHAY','MUMBAY) | 1 row(s) affected |
36 1225:19 insert into orders values(1,'C001',C000) | 1 row(s) affected |
37 1225:50 insert into orders values(1,'C001',C000) | 1 row(s) affected |
38 1225:53 insert into orders values(1,'C001',C000) | 1 row(s) affected |
38 1225:53 insert into orders values(1,'C001',C000) | 1 row(s) affected |
38 1225:53 insert into orders values(1,'C001',C000) | 1 row(s) affected |
38 1225:53 insert into orders values(1,'C001',C000) | 1 row(s) affected |
39 1225:53 insert into orders values(1,'C000',C000') | 1 row(s) affected |
30 1225:53 insert into orders values(1,'C000',C000') | 1 row(s) affected |
30 1225:53 insert into orders values(3,'C000',C000') | 1 row(s) affected |
```

A)INNER JOIN

QUERY:

SELECT* FROM customers INNER JOIN ORDERS ON CUSTOMERS.CUSTOMERID=ORDERS.CUSTOMERID;

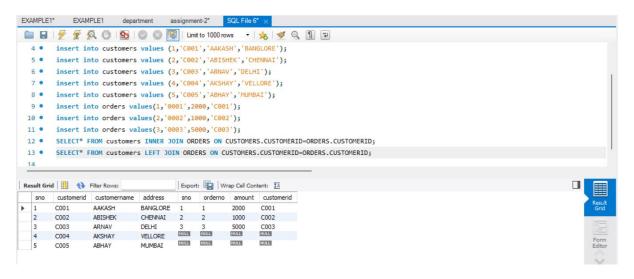


B)LEFT JOIN

QUERY:

SELECT* FROM customers LEFT JOIN ORDERS ON CUSTOMERS.CUSTOMERID=ORDERS.CUSTOMERID;

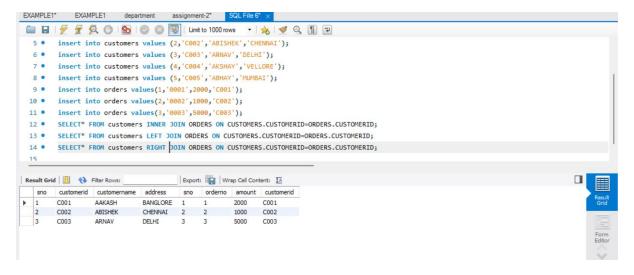
OUTPUT:



C)RIGHT JOIN

QUERY:

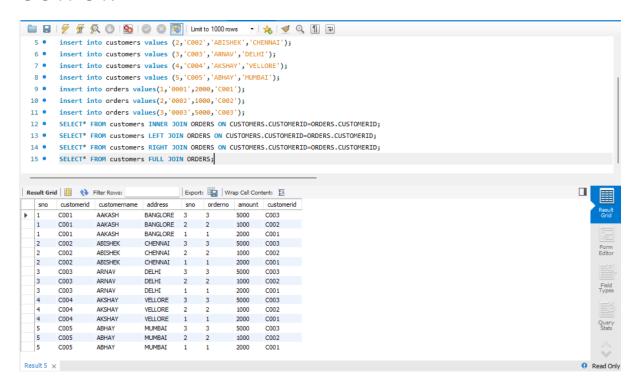
SELECT* FROM customers RIGHT JOIN ORDERS ON CUSTOMERS.CUSTOMERID=ORDERS.CUSTOMERID;



D)FULL JOIN

QUERY:

SELECT* FROM customers FULL JOIN ORDERS;



MONGO DB:

QN 3) CREATE, UPDATE, DELETE COMMAND IN MONGO

CREATING COLLECTIONS: creating a collection named books

```
db
<test
> use sample
<switched to db sample
> db.createCollection("books");
<{ ok: 1 }</pre>
```

INSERTING: Inserting the book details in the collection name books.

```
> db.books.insertOne({"Bookname":"Things Fall Apart","Price":375,"Author":"Chinua Achebe",BOOKID:1003})

< {
    acknowledged: true,
    insertedId: ObjectId("647311986e70f8053ed7a82c")
}

> db.books.insertOne({"Bookname":"To Kill A Mockingbird","Price":475,"Author":"Harper Lee",BOOKID:1004})

< {
    acknowledged: true,
    insertedId: ObjectId("647311ad6e70f8053ed7a82d")
}</pre>
```

UPDATING:Updating the bookid from 1003 to 1005 for the book which has bookname as "A Passage To India".

```
> db.books.updateOne({Bookname:'A Passage To India'},{$set:{BOOKID:1005}})

< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
}</pre>
```

After updating the bookid from 1002 to 1005 for the book which has bookname as "A Passage To India".

```
{
    _id: ObjectId("64730fac6e70f8053ed7a82b"),
    Bookname: 'A Passage To India',
    Price: 400,
    Author: 'E.M.FORSTER',
    BOOKID: 1005
}
```

DELETING:

To delete the details of the book which has a bookname="To kill A Mockingbird".

```
> db.books.deleteOne({Bookname:"To Kill A Mockingbird"})

< {
    acknowledged: true,
    deletedCount: 1
  }
sample >
```

AFTER DELETING IF WE SEARCH FOR THAT USING FIND WE DON'T GET ANY RESULT, SO THE FILE IS DELETED

```
> db.books.find({Bookname:"To Kill A Mockingbird"})
```

