ASSIGNMENT-2

NAME :SAI VISHWA

REGNO:20MIS0361

CAMPUS:VIT VELLORE

DEPARTMENT: INT M.TECH(SOFTWARE ENGINEERING)

MYSQL DATABASE:

```
CREATE TABLE Database1.customers (
    id INT,
    first_name VARCHAR(255),
    last_name VARCHAR(255),
    email VARCHAR(255),
    phone VARCHAR(255)
);
```

INSERT VALUES INTO TABLE1

```
insert into Database1.customers values(1,'sai','vishwa','vishwav@gmail.com','9899023990');
insert into Database1.customers values(2,'Harish','kumar','Harish@gmail.com','9639102849');
insert into Database1.customers values(3,'logesh','Kumar','Logeshbatman@gmail.com','7822209472');
insert into Database1.customers values(4,'Lakkshman','Ajay','Ajay@gmail.com','9822375664');
insert into Database1.customers values(5,'Vicky','kumar','Vicky@gmail.com','8339003824');
select * from Database1.customers;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

id	first_name	last_name	email	phone
1	sai	vishwa	vishwav@gmail.com	9899023990
2	Harish	kumar	Harish@gmail.com	9639102849
3	logesh	Kumar	Logeshbatman@gmail.com	7822209472
4	Lakkshman	Ajay	Ajay@gmail.com	9822375664
5	Vicky	kumar	Vicky@gmail.com	8339003824

UPDATE AND DELETE OPERATION IN TABLE1:

```
2  update Database1.customer set email='logeshkumar@gmail.com' where id=3;
3
4  delete from Database1.customer where id=3;
5
6  select * from Database1.customer;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

id	first_name	last_name	email	phone
1	sai	vishwa	vishwav@gmail.com	9899023990
2	Harish	kumar	Harish@gmail.com	9639102849
3	logesh	Kumar	logeshkumar@gmail.com	7822209472
4	Lakkshman	Ajay	Ajay@gmail.com	9822375664

CREATING TABLE2:

```
create table Database1.products (productID int primary key not null,
productname varchar(30),
totalamount varchar(6)
);
```

INSERTING VALUES INTO TABLE2:

```
1
2 • insert into Database1.products values(1,'BOAT HEADSET','25999');
3 • insert into Database1.products values(2,'REDMI 9 PRIME','2599');
4 • insert into Database1.products values(3,'AIRBUDS','9000');
5 • insert into Database1.products values(4,'BICYCLES','1500');
6 • insert into Database1.products values(5,'Smart watch','2000');
7 • select * from Database1.products;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

productID	productname	totalamount
1	BOAT HEADSET	25999
2	REDMI 9 PRIME	2599
3	AIRBUDS	9000
4	BICYCLES	1500
5	Smart watch	2000
NULL	NULL	NULL

CREATING AND INSERTING VALUES IN TABLE3:

```sql
create table Database1.orders(orderID int,customerID int,orderdate date,totalamount varchar(6));
alter table Database1.orders add productID int;
insert into Database1.orders values(1,1,'2023-05-15','15000',4);
insert into Database1.orders values(2,2,'2023-05-18','9000',3);
insert into Database1.orders values(3,3,'2023-05-20','25999',1);
insert into Database1.orders values(4,4,'2023-05-21','2599',2);
insert into Database1.orders values(5,5,'2023-05-25','2000',5);
select * from Database1.orders;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

orderID	customerID	orderdate	totalamount	productID
1	1	2023-05-15	15000	4
2	2	2023-05-18	9000	3
3	3	2023-05-20	25999	1
4	4	2023-05-21	2599	2
5	5	2023-05-25	2000	5

INNER JOIN OPERATION:

```sql
SELECT customers.first_name, customers.last_name, orders.orderdate, orders.totalamount, products.productname
FROM customers
INNER JOIN orders ON customers. =orders.customerID
INNER JOIN products ON orders.productID = products.productID;
```

LEFT JOIN OPERATION:

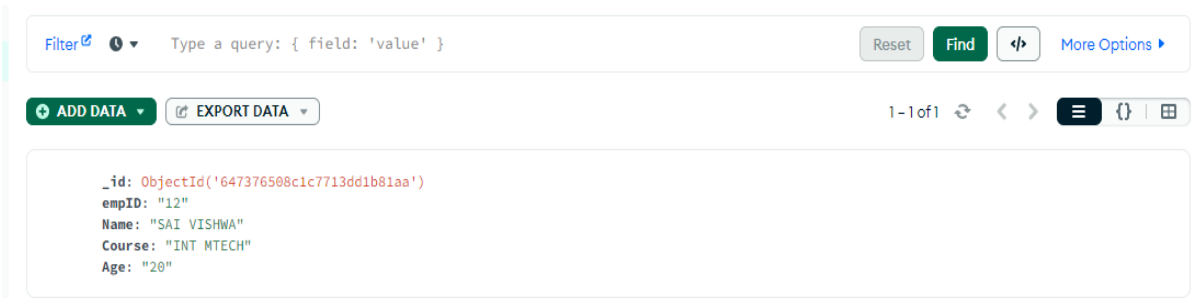
```
1  select customers.firstname, customers.lastname, orders.orderdate, orders.totalamount, products.productname
2  from customers
3  left join orders on customers.customerID = orders.customerID
4  left join products on orders.productID = products.productID;
5
6
7
```

RIGHT JOIN OPERATION:

```
select customers.firstname, customers.lastname, orders.orderdate, orders.totalamount, products.productname
from customers
right join orders on customers.customerID = orders.customerID
right join products on orders.productID = products.productID;
```

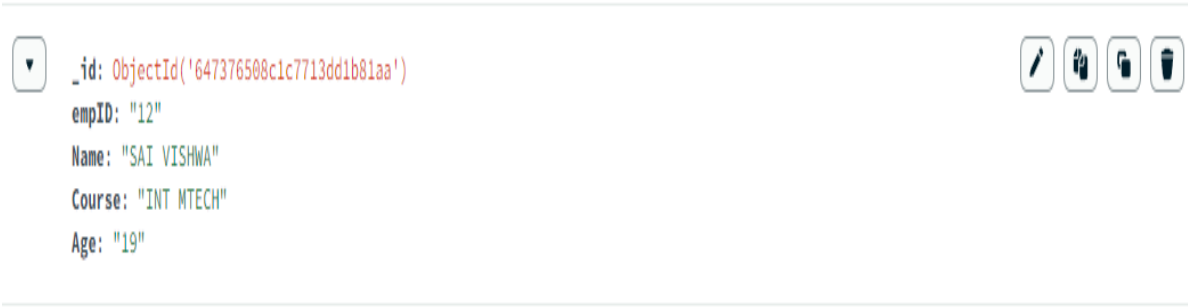
MONGO DATABASE:

CREATING DATABASE:



UPDATING DATABASE:

```
> db.SOFTWARE.updateOne({Name: 'SAI VISHWA'},{$set: {Age : 19}})
< {
    acknowledged: true,
    insertedId: null,
    matchedCount: 0,
    modifiedCount: 0,
    upsertedCount: 0
  }
```



DELETING DATABASE:

db.software.delete({Name : 'SAI VISHWA'}

```
> db.software.deleteOne({Name : 'SAI VISHWA'})
< {
    acknowledged: true,
    deletedCount: 0
  }
```