CREATE TABLE staff (

Staff\_ID int(10) PRIMARY key,

Name varchar(20) NOT NULL,

Phone int(15) )

CREATE TABLE books ( Book\_ID int(10) primary key, Title varchar(20) NOT NULL, Price double(7,2), Available varchar(10), Staff\_ID int(10), FOREIGN key(Staff\_ID) REFERENCES staff(Staff\_ID) )

CREATE TABLE member ( Member\_ID int(10) primary key, Name varchar(20) NOT NULL, Address varchar(30), Member\_type varchar(15), Due\_date date , Book\_ID int(10), FOREIGN key(Book\_ID) REFERENCES books(Book\_ID) )

CREATE TABLE publisher ( Publisher\_ID int(20) primary key, Name varchar(15) NOT NULL, Address varchar(30), Book\_ID int(10), FOREIGN KEY(Book\_ID) REFERENCES books(Book\_ID) )

insert into staff values( 201, 'Mr. Jamal', 017155446547)

insert into staff values( 205, 'Mr. Sajid', 01611574674)

insert into books values(101, 'DataBase', 750, 'Yes', 201)

insert into books values(102, 'Data Structure', 100, 'Yes', 201)

insert into books values(105, 'Numerical', 150, 'Yes', 201)

insert into publisher values( 301,'BrainChild','Boston',104)

insert into publisher values( 305,'PyPy','New York',101)

insert into member values( 401,'Abid', 'Dhanmondi', 'Regular',2019-03-21,101)

insert into member values( 405,'Asha', 'Mirpur', 'Irregular',2019-03-11,105)

**Query execution**

CREATE VIEW books\_view AS SELECT Book\_ID, Title FROM books WHERE Price>100

select \* from member where name like '%a'

Select \* from books where price between 150 and 250;

SELECT \* FROM `member` WHERE Member\_type='Reguler' or Member\_type='Irreguler'

SELECT \* FROM `member` WHERE Member\_type='Reguler' and address='Badda'

Select max(price) from books ;

Select min(price) from books ;

Select avg(price) from books ;

Select sum(price) from books ;

Select count(price) from books ;

SELECT \* FROM `books` WHERE price=(Select min(price) from books);

select \* from books order by price

select \* from books order by price desc;

SELECT \* FROM `books` WHERE price>150;

UPDATE member

SET Address="Mothijeel"

WHERE Member\_ID = 402;

DELETE FROM member WHERE Member\_ID=406;

CREATE TABLE publisher ( Publisher\_ID int(20) primary key, Name varchar(15) NOT NULL, Address varchar(30), Book\_ID int(10), FOREIGN KEY(Book\_ID) REFERENCES books(Book\_ID) );