**Exp No 8:**

**Practice Queries using Aggregate functions, Group By, Having Clause and Order by Clause.**

**Query:**

create database db;

use db;

create table employee

(emp\_id int,

emp\_name varchar(255),

sub varchar(255));

alter table employee

add primary key(emp\_id);

desc employee;

select \* from employee;

insert into employee values(100,'chandrashekar','DBMS');

insert into employee values(101,'Nagamani','OS');

insert into employee values(102,'Rojarani','BEFA');

insert into employee values(103,'BapiRaju','JAVA');

insert into employee values(104,'Nagaveni','DM');

truncate table employee;

select \* from employee;

drop table employee;

create table students

(roll\_no int primary key,

first\_name varchar(100),

last\_name varchar(100),

DOB date,

phone\_no int);

drop table students;

create table students

(roll\_no int primary key,

first\_name varchar(100),

last\_name varchar(100),

DOB date,

phone\_no int8,

unique (phone\_no));

desc students;

insert into students values(591,'Nitisha','Reddy','2001-10-23',7894321675);

insert into students values(592,'Balki','Rachana','2001-09-25',9390226605);

insert into students values(593,'Dharmana','Mounika','2001-09-16',8765098857);

insert into students values(594,'Keerthi','Renuka','2001-06-07',8765099006);

insert into students values(595,'Priyanka','Challa','2001-04-03',8765099005);

select \* from students;

drop table academic\_details;

create table academic\_details

(roll\_no int not null,

dept char(3),

attendance float,

email varchar(30),

foreign key (roll\_no) references students(roll\_no));

desc academic\_details;

select \* from academic\_details;

insert into academic\_details values(591,'CSE',95.8,'nitishareddy@gmail.com',2023);

insert into academic\_details values(592,'CSE',98.9,'balkirachana@gmail.com',2023);

insert into academic\_details values(593,'CSE',92.0,'dharmanamounika@gmail.com',2023);

insert into academic\_details values(594,'CSE',74,'keerthi@gmail.com',2023);

insert into academic\_details values(595,'CSE',72,'priyanka@gmail.com',2023);

alter table academic\_details

add pass\_out year;

create table marks

(roll\_no int not null,

Dbms int,

OS int,

Befa int,

DM int,

java int,

foreign key (roll\_no) references students(roll\_no));

desc marks;

insert into marks values(591,23,22,21,20,22);

insert into marks values(592,24,25,23,22,24);

insert into marks values(593,21,22,20,20,22);

insert into marks values(594,20,22,21,20,22);

insert into marks values(595,21,20,19,20,20);

select \* from academic\_details;

select attendance from academic\_details;

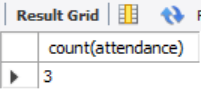
select \* from marks;

select \* from academic\_details where pass\_out = 2023;

#count

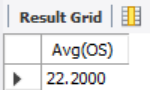
select count(attendance) from academic\_details

where attendance > 75;



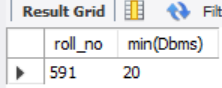
#Average

select Avg(OS) from marks;



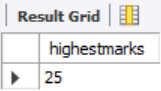
#min

select roll\_no,min(Dbms) from marks;



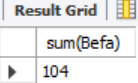
#max

select max(OS) as highestmarks from marks;



#sum

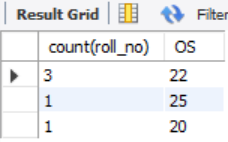
select sum(Befa) from marks;



#group by

select count(roll\_no), OS

from marks group by OS;

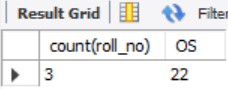


#having

select count(roll\_no), OS

from marks group by OS

having count(roll\_no) > 2;



#order by

select roll\_no,attendance from academic\_details

order by attendance desc;

