Queries:

Creating tables

Create table personalinfo(sno int not null, fname varchar(50), Iname varchar(10), gender varchar(30), location varchar(100));

create table entranceinfo(eno int not null, entexam varchar(10), entscore int,entscoreper int, graduation varchar(50), gradper int, ssc int, inter int, PRIMARY KEY (eno));

create table educationinfo(edno int not null, eno int, sno int, specialization varchar(100), attandence int, CGPA int, PRIMARY KEY (edno), FOREIGN KEY (eno) REFERENCES entranceinfo(eno), FOREIGN KEY (sno) REFERENCES personalinfo(sno));

Display the data in the tables.

Select \* from educationInfo;

Select \* from entranceInfo;

Select \* from PersonalInfo;

What are the specializations taken by the students? Display their names with their specializations.

select p.fname, e.specializaton

from personalinfo p, educationinfo e

where p.sno=e.sno;

Display the specialization of the students who wrote CAT/ MAT/ ATMA entrance exam.

Select distinct(e.specialization)

from educationinfo e, entranceinfo t

where e.eno=t.eno and t.entexam='CAT';

Count the number of students who have written CAT / MAT/ ATMA exam

Select count(entexam) NumOfStudents

from entranceinfo

where entexam='CAT';

Display the names of the students who belong to telangana.

Select fname

from personalinfo

where location = 'Telangana';

Display the names and cgpa’s of the students whose CGPA is greater than 3.

select p.fname, e.cgpa

from personalinfo p, educationinfo e

where p.sno=e.sno and e.cgpa >3;

Display the names of the students who got cgpa less than or equal to 3.

select p.fname

from personalinfo p

where p.sno IN (select e.sno from educationinfo e where e.cgpa<=3 );

Display the first name and last name of the students into one single column.

select CONCAT(Iname, fname) FullName from personalinfo;

Display the full name of the students with entrance exam type, specialization they opted and cgpa they secured and order them by sno.

select p.sno,concat(p.fname,Iname) FullName,t.entexam, e.specialization, e.cgpa

from personalinfo p

right join educationinfo e on e.sno=p.sno

right join entranceinfo t on t.eno=e.eno

order by p.sno;

Display the fullnames of the students who has the graduation as “B.Sc.” with their respective sno, eno(entrance no), edno(education num).

select p.sno,t.eno,e.edno,concat(fname,Iname)

from personalinfo p

right join educationinfo e on p.sno=e.sno

join entranceinfo t on e.eno=t.eno and t.graduation='B.Sc.';

Display the count of female students who took their specialization as Marketing

select count(e.specialization)

from personalinfo p, educationinfo e

where p.sno=e.sno and p.genger='female' and e.specialization='MARKETING';

Find top 5th score from entrance exam.

select distinct(entscore)

from entranceinfo t

order by entscore DESC

limit 5,1;

Display the count of students from different regions.

select count(sno),location

from personalinfo

group by location;