1. create database students;

use students;

create table personal\_info (

roll\_no int primary key,

name varchar(30) not null,

DOB date not null,

Address varchar(50) not null,

Marks\_12th int not null,

Phone\_no varchar(10) not null

);

Create table paper\_details(

Paper\_code int primary key,

Paper\_name varchar(30) unique);

Create table academic\_details(

Roll\_no int primary\_key,

Paper\_code int not null,

Attendance int not null,

Marks int not null,

Foreign key (roll\_no) references personal\_info (roll\_no) on delete cascade,

Foreign key (paper\_code) references paper\_details (paper\_code) on delete cascade);

1. Primary key - Roll\_no in table personal\_info, Paper\_code in table Paper\_details

Foreign key - Roll\_no in table Academic\_details, Paper\_code in table Academic\_Details

Insert into personal\_info values (1205,’Helen’,’2001-11-07’,’Delhi’,’9454123456’),

(1212,’Henry’,’2000-12-12’,’Delhi’,’9656123456’),

(1234,’John’,’2001-12-18’,’Uttarakhand’,’9412345678’),

(1222,’Jake’,’2000-09-09’,’Kerala’,’9812345678’),

(1209,’Harry’,’2001-01-01’,’Delhi’,’9812347654’);

Insert into paper\_details values(1,’Descriptive Statistics’),

(2,’English’),

(3,’Calculus’),

(4,’Algebra’),

(5,’Probability’);

Insert into academic\_details values(1212,1,89,78),

(1205,3,88,76),

(1234,1,56,76),

(1222,1,89,89),

(1209,2,89,90);

1. Select pd.paper\_code, pd.paper\_name, pi.name from paper\_details pd, personal\_info pi where paper\_code=2 and pi.roll\_no in

(select roll\_no from academic\_details where paper\_code=2 and attendance>75 and marks>60);

1. Select name from personal\_info pi, academic\_details ad

Where pi.roll\_no = ad.roll\_no and ad.marks>60 and ad.paper\_code=1 and pi.address=’Delhi’ ;

1. select pi.name, ad.attendence, ad.marks from personal\_info pi, academic\_details ad where pi.roll\_no=ad.roll\_no;
2. select name from personal\_info pi, academic\_details ad

where pi.roll\_no=ad.roll\_no and pi.roll\_no = (select roll\_no from academic\_details where marks=(select max(marks) from academic\_details));