Day1:Sql-Assignment Questions

1. Create a Student Management Database:

o Create a database named student_management.

reference

columns:

- ***student_id (INT, Primary Key)***
- ***name (VARCHAR(50), NOT NULL)***
- ***age (INT, CHECK (age > 0))***
- ***email (VARCHAR(100), UNIQUE)***

o Insert at least 5 student records and display all the records.

```
create table students(student_id int PRimary key,
                names varchar(50) not null,
                                        age int check(age>0),
                                        email varchar(100) unique);
insert into students values(1,'NIRMA',45,'nirma@gmail.com'),
                (2,'meena',56,'meena@gmail.com'),
                                                (3,'rekha',78,'rekha@gmail.com'),
                                                (4,'krish',76,'krish@gmail.com'),
                                                (5,'kamala',87,'kamala@gmail.com'),
                                                (6,'divya',34,'div@eamil.com');
select * from students;
```

2. Design a Course Enrollment System:

o Create two tables:

- ***courses (course_id, course_name, duration)***

▪ ***enrollments (enrollment_id, student_id, course_id)***

o Apply the necessary constraints (Primary Key, Foreign Key, NOT

NULL, etc.).

o Insert at least 3 courses and 5 enrollments.

o Write a query to list all students enrolled in a specific course.

```
create table courses(
        course_id serial primary key,
                course_name varchar(100) not null,
                duration varchar(50) not null);
create table enrollment(
         enrollment_id  serial primary key,
        student_id int references students(student_id),
                course_id int references courses(course_id) );
insert into courses values(1,'pyhton','3 months'),
          (2,'Database management','4 monts'),
                (3,'web developer','5 months');


select s.student_id,s.names,c.course_name from enrollment e
    join students s on e.student_id = s.student_id
        join courses c on e.course_id = c.course_id where c.course_name = 'pyhton programming';
```