**Assignment No 9[1]**

**Question:** Design a database schema for a library system,

including tables, fields, and constraints like NOT NULL,

UNIQUE, and CHECK. Include primary and foreign keys to establish

relationships between tables.

**Solution:**

CREATE TABLE library (

category id varchar2(30) primary key,

name VARCHAR(50) not null

);

describe library;

select \* form library;

insert into library values(101,'biography');

insert into library values(102,'spritual');

insert into library values(103,'noval');

select \* from library;

create table student

(

id number(10) primary key,

student name(20) non null,

age number(10),

email id(30) unique,

);

describe student;

select \* from student ;

INSERT INTO student (id, student\_name, age, email) VALUES (1, Amar, 24, amar@gmail.com');

INSERT INTO student (id, student\_name, age, email) VALUES (2, pavan, 22, pavan@gmail.com');

INSERT INTO student (id, student\_name, age, email) VALUES (3, suyog, 23, suyog@gmail.com');

select \* from student ;

INSERT INTO student (id, student\_name, age, email) VALUES (4, Aniket, 21, aniket@gmail.com');

INSERT INTO student (id, student\_name, age, email,) VALUES (5, Pratik, 25, [pratik@gmail.com](mailto:pratik@gmail.com)');

DELETE FROM library WHERE id = 1;

UPDATE library SET category id ='3' WHERE category id = '1';

View the structure of the tables

DESCRIBE library;

DESCRIBE student;

Select all data from the tables

SELECT \* FROM library;

SELECT \* FROM student;

select age from student where age=24;