**Assignment 1: Create a DB for your college with following parameters:**

***1.Create a table for student with name,age,mobile no,registration no,year of batch as columns.***

CREATE TABLE Student (

Name TEXT NOT NULL,

Age INT NOT NULL,

Mobile TEXT NOT NULL,

Registration TEXT NOT NULL,

Batch INT NOT NULL

);

***2.Create a table fault teachers with name,domain,department as column.***

CREATE TABLE Teachers (

Name TEXT NOT NULL,

Domain TEXT NOT NULL,

Department TEXT NOT NULL,

);

**3. *Write a query to insert 10 student data and 10 teachers data in the respective table.***

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Akshay khandelwal”,19,9340833782,201011,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Yash Richhariya”,19,9430833732,201069,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Piyush Nankani”,19,9340856782,201053,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Naitik Sharma”,19,9340832722,201048,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Nishita Soni”,19,9340842312,201048,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Kopal Dubey”,19,8340823782,201039,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Nandigram Aroma”,19,8340233782,201051,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Shivansh Tiwari”,19,8340833782,201063,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Yash Dubey”,19,9340233482,201068,2022);

INSERT INTO Student(Name,Age,Mobile,Registration,Batch)

VALUES ("Priyanshu Roy”,19,9340833782,201056,2022);

**For Teachers:-**

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Yasha","Alegbra","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Amit Sahu","MATLAB","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Vikas Verma","JAVA","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Shweta Jain","Python","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Preeti Rai","Machine learning","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Suyash Dubey","M2","MATHS");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Dharmendra Kori","M3","MATHS");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Prakhar Gautam","OOPS","CSE");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Manpreet Kaur","M3","MATHS");

INSERT INTO Teachers(Name,Domain,Department)

VALUES ("Ashok Verma","C++","CSE");

***4.Write a query to fetch all the Students from Batch 2020.***

SELECT \*FROM Students

WHERE Batch =2020;

***5.Write a query to fetch all the teachers from CSE Department.***

SELECT \*FROM Teachers

WHERE Department =”CSE”;

***6.Write a query to edit at least 3 records of students.***

UPDATE Students

SET Name="Akshat",

Age=16,

Batch=2026

WHERE

Phone =9340833783;

***7.Write a query to delete 2 records from teachers table.***

DELETE FROM Teachers

WHERE Name ="Ashok Verma";

**Assignment 2:-**

***1.Create an Interest calculator for banks using java which incorporates,inheritance,polymorphism,classes,object etc.***

***2.User can first select a bank.***

***3.After selecting bank user can select a type of loan like personal,housing,educational,gold loan.***

***4.User should be able to enter the amount of loan they need.***

***5.System should be able to present the interest rate along with period of repayment.***

import java.util.Scanner;

public class Main extends Loan {

public static void main(String[] args) {

System.out.println("Enter your Bank");

System.out.println("Enter 1 for HDFC");

System.out.println("Enter 2 for SBI");

System.out.println("Enter 3 for PNB");

Scanner s1 = new Scanner(System.in);

System.out.println("Enter your choice");

int choice1 = s1.nextInt();

Main obj = new Main();

switch (choice1) {

case 1:

obj.loantype(5.50, 1);

break;

case 2:

obj.loantype(4.50, 1);

break;

case 3:

obj.loantype(4.75, 1);

break;

default:

System.out.println("Wrong choice");

s1.close();

}

}

}

Loan.java-

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}