5th

CREATE TABLE Course (

Coursecode INT PRIMARY KEY,

Coursename VARCHAR(100),

Syllabus VARCHAR(500)

);

CREATE TABLE Batch (

Batchcode INT PRIMARY KEY,

Coursecode INT,

Startingdate DATE,

Duration INT,

Coursefees DECIMAL(10,2),

Netincome DECIMAL(10,2),

Expectedincome DECIMAL(10,2),

FOREIGN KEY (coursecode) REFERENCES Course(coursecode)

);

CREATE TABLE Enquiry (

Enquirynumber INT PRIMARY KEY,

Fname VARCHAR(50),

Lname VARCHAR(50),

Coursecode INT,

Plotno VARCHAR(50),

Street VARCHAR(100),

City VARCHAR(100),

Phone VARCHAR(20),

Enquirydate DATE,

Enquirystatus VARCHAR(20),

FOREIGN KEY (coursecode) REFERENCES Course(coursecode)

);

CREATE TABLE Enrollment (

Rollno INT PRIMARY KEY,

Enquirynumber INT,

Batchcode INT,

Enrollmentdate DATE,

FOREIGN KEY (enquirynumber) REFERENCES Enquiry(enquirynumber),

FOREIGN KEY (batchcode) REFERENCES Batch(batchcode)

);

INSERT INTO Course (coursecode, coursename, syllabus)

VALUES

(10, 'Java Programming', 'Introduction to Java'),

(20, 'Python Programming', 'Introduction to Python');

INSERT INTO Batch (batchcode, coursecode, startingdate, duration, coursefees, netincome, expectedincome)

VALUES

(1, 10, '2023-06-01', 30, 50000.00, 45000.00, 47000.00),

(2, 10, '2023-06-15', 45, 60000.00, 55000.00, 58000.00),

(3, 20, '2023-07-01', 60, 70000.00, 60000.00, 65000.00);

INSERT INTO Enquiry (enquirynumber, fname, lname, coursecode, plotno, street, city, phone, enquirydate, enquirystatus)

VALUES

(1, 'John', 'Doe', 10, '123', 'Main St', 'City A', '1234567890', '2023-05-20', 'Pending'),

(2, 'Jane', 'Smith', 10, '456', 'Broadway', 'City B', '9876543210', '2023-05-25', 'Completed'),

(3, 'Sarah', 'Johnson', 20, '789', 'Oak St', 'City C', '5678901234', '2023-06-01', 'Pending');

INSERT INTO Enrollment (rollno, enquirynumber, batchcode, enrollmentdate)

VALUES

(1, 1, 1, '2023-05-26'),

(2, 2, 1, '2023-05-28'),

(3, 3, 2, '2023-06-03');

1st query

SELECT \*

FROM Batch

WHERE coursecode = 10;

2nd query

SELECT batchcode

FROM Batch

WHERE expectedincome > (netincome + 2000);

3rd query

SELECT Course.coursename, Batch.startingdate

FROM Course

JOIN Batch ON Course.coursecode = Batch.coursecode;

4th query

SELECT coursename

FROM Course

JOIN Batch ON Course.coursecode = Batch.coursecode

WHERE coursefees > 50000;

5th query

SELECT \*

FROM Batch

JOIN Course ON Course.coursecode = Batch.coursecode

WHERE coursename = 'Java Programming';

6th query

SELECT COUNT(\*)

FROM Enquiry

WHERE fname LIKE 'S%';

7th query

DELETE FROM Enquiry

WHERE coursecode IN (SELECT coursecode FROM Course WHERE coursename = 'Java Programming');