1.

```sql
CREATE TABLE Teacher_info (
    Teacher_id INT PRIMARY KEY,
    Teacher_Name VARCHAR(100),
    Dept_Name VARCHAR(100),
    Salary DECIMAL(10, 2),
    Subject_taught VARCHAR(100)
);

CREATE TABLE Student_info (
    Roll_No INT PRIMARY KEY,
    Student_Name VARCHAR(100),
    Dept_Name VARCHAR(100),
    Class VARCHAR(50),
    Result DECIMAL(5, 2)
);
```

2.

```sql
INSERT INTO Teacher_info (Teacher_id, Teacher_Name, Dept_Name, Salary, Subject_taught)
VALUES
(1, 'Amit', 'Physics', 40000, 'Thermodynamics'),
(2, 'Smita', 'Mathematics', 30000, 'Algebra'),
(3, 'Rajesh', 'Chemistry', 25000, 'Organic Chemistry'),
(4, 'Pooja', 'Computer Science', 45000, 'Data Structures'),
(5, 'Suresh', 'Physics', 38000, 'Quantum Mechanics');

INSERT INTO Student_info (Roll_No, Student_Name, Dept_Name, Class, Result)
VALUES
(1, 'Ravi', 'Physics', '12th', 75.5),
(2, 'Aditi', 'Mathematics', '12th', 64.2),
```

(3, 'Sonal', 'Computer Science', '12th', 58.3),

(4, 'Rani', 'Physics', '12th', 82.0),

(5, 'Rajvi', 'Chemistry', '12th', 45.0);

3.

SELECT Student_Name

FROM Student_info

WHERE Result > 60;

4. (for name starting with i use 'i%' for name containing i in middle '%i%')

      (for name starting with a,b,c '[a-c]%')

SELECT Student_Name

FROM Student_info

WHERE Student_Name LIKE '%i';

5.

SELECT Teacher_Name

FROM Teacher_info

WHERE Salary BETWEEN 20000 AND 50000;

6.

ALTER TABLE Teacher_info

ADD Join_Date DATE;

7.

ALTER TABLE Student_info

ADD Address VARCHAR(200);

9.

UPDATE Student_info

SET Address = 'Pune'

WHERE Roll_No = 1;

UPDATE Student_info

SET Address = 'Mumbai'

WHERE Roll_No = 2;

```
UPDATE Student_info
SET Address = 'Pune'
WHERE Roll_No = 3;


UPDATE Student_info
SET Address = 'Nagpur'
WHERE Roll_No = 4;


UPDATE Student_info
SET Address = 'Pune'
WHERE Roll_No = 5;


SELECT Student_Name
FROM Student_info
WHERE Address LIKE '%Pune%';
```

10.
```
SELECT AVG(Salary) AS Avg_Salary
FROM Teacher_info;
```
8.
```
ALTER TABLE Student_info
DROP COLUMN Address;
```