

Database-STUDENT

Table creation with values

-- Course Table

```
CREATE TABLE course (  
    CourseID varchar(100),  
    Name varchar(200),  
    LecturerName varchar(200),  
    CONSTRAINT Course_PK1 PRIMARY KEY (CourseID)  
);
```

-- Student Table

```
CREATE TABLE student (  
    StudentID varchar(100),  
    StudentName varchar(200),  
    city varchar(100),  
    CourseID varchar(100),  
    CONSTRAINT student_PK1 PRIMARY KEY (StudentID),  
    CONSTRAINT Course_FK1 FOREIGN KEY (CourseID)  
REFERENCES Course (CourseID)  
);
```

```
INSERT INTO course VALUES ( '1', 'web devolopment', 'M.M.  
Herath')  
INSERT INTO course VALUES ( '2', 'Graphic design', 'J.S.V.  
priyasena')  
INSERT INTO course VALUES ( '3', 'Mobile App devolpment',  
'K.K.K. Dias')  
INSERT INTO course VALUES ( '4', 'Java', 'U.H.S. Perera')
```

```
INSERT INTO student VALUES ( '1', 'Kasun Gamage',  
'Kandy', '2')  
INSERT INTO student VALUES ( '2', 'Daniel Sam',  
'jaffna', '3')  
INSERT INTO student VALUES ( '3', 'Hansi silva',  
'colombo', '1')
```

```

INSERT INTO student VALUES ( '4', 'Ranidu herath',
'matara', '3')
INSERT INTO student VALUES ( '5', 'praneth wijesinghe',
'kandy', '4')
INSERT INTO student VALUES ( '6', 'nuwani herath',
'ratnapura', '1')

```

Queries with results

-- question 1

```

SELECT *
FROM student;

```

	StudentID	StudentName	city	CourseID
1	1	Kasun Gamage	Kandy	2
2	2	Daniel Sam	jaffna	3
3	3	Hansi silva	colombo	1
4	4	Ranidu herath	Galle	3
5	5	praneth wijesinghe	kandy	4
6	6	nuwani herath	ratnapura	1

-- question 2

```

SELECT StudentID, StudentName, city
FROM student
WHERE city LIKE '%kandy%';

```

	StudentID	StudentName	city
1	1	Kasun Gamage	Kandy
2	5	praneth wijesinghe	kandy

-- question 3
--city before updating Matara

```

UPDATE student
SET city = 'Galle'
WHERE StudentID = '4';

```

	StudentID	StudentName	city	CourseID
1	1	Kasun Gamage	Kandy	2
2	2	Daniel Sam	jaffna	3
3	3	Hansi silva	colo...	1
4	4	Ranidu herath	Galle	3
5	5	praneth wijesi...	kandy	4
6	6	nuwani herath	ratn...	1

--question 4

```
SELECT s.StudentID, s.StudentName, s.city, s.CourseID,
c.Name
FROM student AS s
JOIN Course AS c ON c.CourseID = s.CourseID;
```

StudentID	StudentName	city	CourseID	Name
1	Kasun Gamage	Kandy	2	Graphic design
2	Daniel Sam	jaffna	3	Mobile App devolpment
3	Hansi silva	colo...	1	web development
4	Ranidu herath	Galle	3	Mobile App devolpment
5	praneth wijesi...	kandy	4	Java
6	nuwani herath	ratn...	1	web development