9. Write a query which describes Referential Integrity Constraints using following Clauses

-- Create Department table
```
CREATE TABLE Department (
    dept_id INT PRIMARY KEY,
    dept_name VARCHAR(100)
);
```

-- Insert data into Department table
```
INSERT INTO Department VALUES(1, 'Computer Science');
INSERT INTO Department VALUES(2, 'Electrical Engineering');
INSERT INTO Department VALUES(3, 'Mechanical Engineering');
```

-- Create Student table with foreign key constraint
```
CREATE TABLE Student (
    student_id INT PRIMARY KEY,
    name VARCHAR(100),
    dept_id INT,
    FOREIGN KEY (dept_id) REFERENCES Department(dept_id) ON DELETE CASCADE -- or
ON DELETE SET NULL
);
```

-- Insert data into Student table
```
INSERT INTO Student VALUES  (1, 'John Doe', 1 );
INSERT INTO Student VALUES  (2, 'Alice Smith', 2);
INSERT INTO Student VALUES  (3, 'Bob Johnson', 1);
INSERT INTO Student VALUES  (4, 'Emma Lee', 3);
```

-- Select Student
```
SELECT* from Student;
```

-- Select department
```
SELECT* From Department
```

-- Delete from the department and in student it also changes
```
Delete From Department Where DEPT_ID = 3;
select * from Student;
Delete * from Department;
```