

DBMS ASSIGNMENT 2

```
mysql> use dbms;
Database changed
mysql> CREATE TABLE Students (
  ->     StudentID INT PRIMARY KEY AUTO_INCREMENT,
  ->     Name VARCHAR(100),
  ->     Age INT,
  ->     Department VARCHAR(50)
  -> );
Query OK, 0 rows affected (0.05 sec)

mysql>
mysql> INSERT INTO Students (Name, Age, Department) VALUES
  -> ('Alice', 20, 'Computer Science'),
  -> ('Bob', 22, 'Information Technology'),
  -> ('Charlie', 21, 'Electronics');
Query OK, 3 rows affected (0.02 sec)
Records: 3  Duplicates: 0  Warnings: 0

mysql> CREATE TABLE Courses (
  ->     CourseID INT PRIMARY KEY ,
  ->     CourseName VARCHAR(100),
  ->     Department VARCHAR(50),
  ->     Credits INT
  -> );
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Courses (CourseID, CourseName, Department, Credits) VALUES
  -> (1, 'Database Management', 'Computer Science', 4),
  -> (2, 'Networking', 'Information Technology', 3),
  -> (3, 'Microprocessors', 'Electronics', 4);
```

```
mysql> select * from Students;
```

StudentID	Name	Age	Department
1	Alice	20	Computer Science
2	Bob	22	Information Technology
3	Charlie	21	Electronics

```
3 rows in set (0.00 sec)
```

```
mysql> select * from Courses;
```

CourseID	CourseName	Department	Credits
1	Database Management	Computer Science	4
2	Networking	Information Technology	3
3	Microprocessors	Electronics	4

```
3 rows in set (0.00 sec)
```

```
mysql> CREATE VIEW CS_Students AS
```

```
  -> SELECT * FROM Students WHERE Department = 'Computer Science';
```

```
Query OK, 0 rows affected (0.01 sec)
```

```
mysql> SELECT * FROM CS_Students,  
+-----+-----+-----+-----+  
| StudentID | Name   | Age  | Department      |  
+-----+-----+-----+-----+  
|          1 | Alice |   20 | Computer Science |  
+-----+-----+-----+-----+  
1 row in set (0.01 sec)
```

```
mysql> CREATE VIEW Student_Courses AS select Students.Name, Courses.CourseName from Students,Courses where Students.Department = Courses.Department;
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> Select * from Student_Courses;
```

```
+-----+-----+  
| Name   | CourseName |  
+-----+-----+  
| Alice  | Database Management |  
| Bob    | Networking      |  
| Charlie| Microprocessors  |  
+-----+-----+
```

3 rows in set (0.00 sec)

```
mysql> |
```