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CSC 174

11/18/2020

INC_ENROLLMENT_NUMBER

```
/*NUMBER OF STUDENTS BEFORE TRIGGER*/  
  
mysql> SELECT * FROM COURSE;  
+-----+-----+-----+-----+  
| COURSENO | COURSENAME | NOOFSSTUDENTS | INSTRUCTORID | TASSN |  
+-----+-----+-----+-----+  
| CSC11    | VLSI      |        40 | 998877665 | 987654321 |  
| CSC12    | COMPUTER PROGRAMMING | 37 | 776655443 | 678901234 |  
| CSC20    | CYBER FORENSICS | 37 | 887766554 | 987654321 |  
+-----+-----+-----+-----+  
3 rows in set (0.00 sec)  
  
/*REGISTER A STUDENT*/  
  
mysql> INSERT INTO STUDENT VALUES("789012345", "DAVID YANG", "19 SERIO WAY, SACRAMENTO, CA 94201", "DAVID@GMAIL.COM");  
Query OK, 1 row affected (0.00 sec)  
  
/*ENROLL NEW STUDENT INTO CSC11, CSC12 AND CSC20*/  
  
mysql> INSERT INTO ENROLLED VALUES("789012345", "CSC11", " "), ("789012345", "CSC12", " "), ("789012345", "CSC20", " ");  
Query OK, 3 rows affected (0.00 sec)  
Records: 3  Duplicates: 0  Warnings: 0  
  
mysql> SELECT * FROM ENROLLED;  
+-----+-----+-----+  
| SSN   | COURSENO | GRADE |  
+-----+-----+-----+  
| 123456789 | CSC11 | A |  
| 567890123 | CSC11 | A |  
| 567890123 | CSC12 | A |  
| 567890123 | CSC20 | A |  
| 678901234 | CSC11 | A |  
| 678901234 | CSC12 | A |  
| 789012345 | CSC11 |  
| 789012345 | CSC12 |  
| 789012345 | CSC20 |  
| 987654321 | CSC11 | B |  
+-----+-----+-----+  
10 rows in set (0.00 sec)  
  
/*NUMBER OF STUDENTS INCREASES BY 1 IN CSC11, CSC12 AND CSC20*/  
  
SELECT * FROM COURSE;  
+-----+-----+-----+-----+  
| COURSENO | COURSENAME | NOOFSSTUDENTS | INSTRUCTORID | TASSN |  
+-----+-----+-----+-----+  
| CSC11    | VLSI      |        41 | 998877665 | 987654321 |  
| CSC12    | COMPUTER PROGRAMMING | 38 | 776655443 | 678901234 |  
| CSC20    | CYBER FORENSICS | 38 | 887766554 | 987654321 |  
+-----+-----+-----+-----+  
3 rows in set (0.00 sec)
```

DEL_ENROLLMENT_NUMBER

```
/*REMOVE STUDENT FROM CSC11*/
```

```
mysql> DELETE FROM ENROLLED  
    -> WHERE SSN = '789012345' AND COURSENO = 'CSC11';  
Query OK, 1 row affected (0.00 sec)
```

```
/*NUMBER OF STUDENTS DECREASES BY 1 IN CSC11*/
```

```
mysql> SELECT * FROM COURSE;
```

| COURSENO | COURSENAME | NOOFSTUDENTS | INSTRUCTORID | TASSN |
|----------|----------------------|--------------|--------------|-----------|
| CSC11 | VLSI | 40 | 998877665 | 987654321 |
| CSC12 | COMPUTER PROGRAMMING | 38 | 776655443 | 678901234 |
| CSC20 | CYBER FORENSICS | 38 | 887766554 | 987654321 |

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM ENROLLED;
```

| SSN | COURSENO | GRADE |
|-----------|----------|-------|
| 123456789 | CSC11 | A |
| 567890123 | CSC11 | A |
| 567890123 | CSC12 | A |
| 567890123 | CSC20 | A |
| 678901234 | CSC11 | A |
| 678901234 | CSC12 | A |
| 789012345 | CSC12 | |
| 789012345 | CSC20 | |
| 987654321 | CSC11 | B |

9 rows in set (0.00 sec)