```
### Working/Demonstration of Trigger
##Insertion Trigger
1. Contents of course table before insertion.
```{sgl connection=dbcon}
select * from course;
 0 rows
2. Contents of Audit table before Insertion
```{sql connection=dbcon}
select * from AuditCourse;
 0 rows
3. Inserting into course table
```{sql connection=dbcon}
INSERT INTO course VALUES ('cs5200', 'DBMS', 90, 6500.00);
4. Contents of course table after insertion.
```{sgl connection=dbcon}
select * from course;
                                        title
<chr>
                                                                                                                                 lengthindays
                                                                                                                                                                             tution
  num
                                                                                                                                          90
  cs5200
                                        DBMS
                                                                                                                                                                              6500
  1 row
5. Contents of Audit table after Insertion
## Please Note that there is an update trigger on insert statement i.e changing into uppercase when a update statement is run so you can see an update entry as well.
```{sql connection=dbcon}
select * from AuditCourse;
 auditID course_id
 title
 status
 time
 1 cs5200
 DBMS
 Course was updated
 2021-03-01 02:40:35
 DBMS
 Course added to Course table
 2021-03-01 02:40:35
 2 cs5200
 2 rows
```

```
Constraint triggers:
1. Contents of course table before insertion.
```{sql connection=dbcon}
select * from course;
```
```

| num<br><chr></chr> | title<br><chr></chr> | lengthindays<br><int></int> | tution<br><dbl></dbl> |
|--------------------|----------------------|-----------------------------|-----------------------|
| cs5200             | DataBase             | 90                          | 6500                  |
| 1 row              |                      |                             |                       |

2. Inserting into course table

```{sql connection=dbcon} INSERT INTO course VALUES ('DS5220', 'supervised machined learning', 120, 6500.00);

3. Contents of course table after Insertion. We can see that the title is in uppercase eventhough we entered in lowercase ```{sql connection=dbcon}

select * from course;

| num
<chr></chr> | title
<chr></chr> | lengthindays
⊲in⊃ | tution
<dbl></dbl> |
|--------------------|-------------------------------|----------------------|-----------------------|
| cs5200 | DATABASE | 90 | 6500 |
| DS5220 | SUPERVISED MACHINED LEARNING | 120 | 6500 |
| D33220 | 301 ERVISED MACHINED LEARNING | 120 | 6300 |

2 rows

```
##Update Trigger
1. Contents of course table before Updation.
```{sql connection=dbcon}
select * from course;
 title
 lengthindays
 tution
 num
 DBMS
 cs5200
 6500
 1 row
2. Contents of Audit table before Updation
```{sql connection=dbcon}
select * from AuditCourse;
                                                          title
                                                                                                                                                                     time
                   auditID course_id
                                                                             status
                                                          DBMS
                                                                             Course was updated
                                                                                                                                                                      2021-03-01 02:40:35
                         1 cs5200
                        2 cs5200
                                                          DBMS
                                                                             Course added to Course table
                                                                                                                                                                      2021-03-01 02:40:35
 2 rows
3. Inserting into course table
```{sql connection=dbcon}
UPDATE course SET title = "DataBase" where num = 'cs5200';
4. Contents of course table after insertion.
```{sql connection=dbcon}
select * from course;
                                     tiţle
                                                                                                                                     lengthindays
                                                                                                                                                                               tution
  num
                                                                                                                                               90
  cs5200
                                     DataBase
                                                                                                                                                                                6500
 1 row
5. Contents of Audit table after Insertion
```{sql connection=dbcon}
select * from AuditCourse;
 auditID course_id
 title
 status
 time
 1 cs5200
 DBMS
 Course was updated
 2021-03-01 02:40:35
 2 cs5200
 DBMS
 Course added to Course table
 2021-03-01 02:40:35
 3 cs5200
 DataBase
 Course was updated
 2021-03-01 02:43:47
 3 rows
```