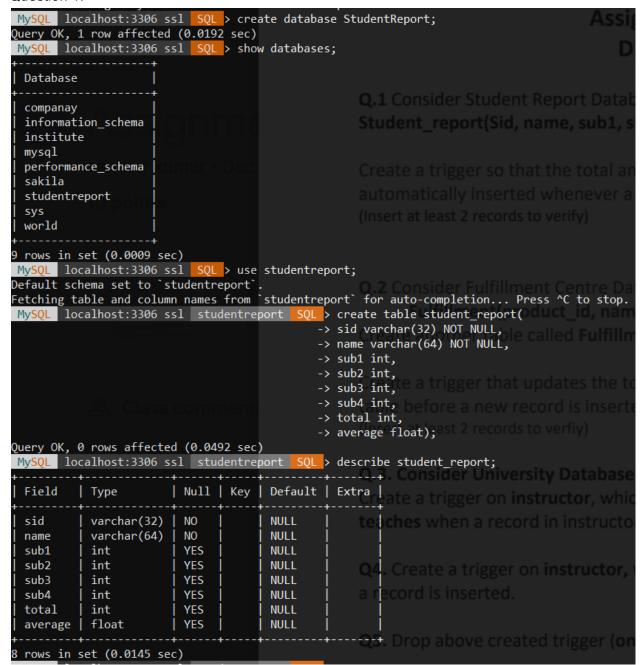
# **DBMS Assignment 9**

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### Question 1.



```
MySQL localhost:3306 ssl studentreport SQL > create trigger trig1
                                                 -> before insert
                                                 -> on student_report
                                                 -> for each row set
                                                 -> new.total = new.sub1 + new.sub2 + new.sub3 + new.sub4,
                                                 -> new.average = new.total / 4;
Query OK, 0 rows affected (0.0261 sec)
MySQL localhost:3306 ssl studentreport SQL > insert into student report
                                                 -> values
                                                 -> ('2001usa0911', 'OBL', 45, 23, 67, 50), -> ('2008ind2611', 'LET', 34, 74, 27, 42);
ERROR: 1136 (21S01): Column count doesn't match value count at row 1
MySQL localhost:3306 ssl studentreport SQL > insert into student_report(sid, name, sub1, sub2, sub3, sub4)
                                                 -> values
                                                 -> ('2001usa0911', 'OBL', 45, 23, 67, 50), -> ('2008ind2611', 'LET', 34, 74, 27, 42);
Query OK, 2 rows affected (0.0150 sec)
Records: 2 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl studentreport SQL > select * from student_report;
  sid
               | name | sub1 | sub2 | sub3 | sub4 | total | average |
  2001usa0911 | OBL
                          45
                                                 50
                                                         185
                                                                 46.25
  2008ind2611 | LET
                          34
                                  74
                                         27
                                                 42
                                                        177
                                                                 44.25
2 rows in set (0.0005 sec)
```

#### Question2:

```
MySQL localhost:3306 ssl studentreport
                                            > create table fulfillment
                                           -> product_id varchar(32) NOT NULL,
                                            -> name varchar(64) NOT NULL, projety Database
                                           -> capacity int
Query OK, 0 rows affected (0.0265 sec)
MySQL localhost:3306 ssl studentreport SQL > create table fulfillmentcentrestats(
                                            -> total_capacity int default 0);
Query OK, 0 rows affected (0.0253 sec)
MySQL localhost:3306 ssl studentreport SQL > describe fulfillment; gger on instructor, which deduct Rs. 2
 Field
            Type
                         | Null | Key | Default | Extra |
 product_id |
              varchar(32) | NO
                                        NULL
                                                       rop above created trigger (only Q3)
              varchar(64)
                           NO
                                        NULL
 name
 capacity
              int
                           YES
                                       NULL
3 rows in set (0.0151 sec)
MySQL localhost:3306 ssl studentreport SQL > describe fulfillmentstats;
ERROR: 1146 (42S02): Table 'studentreport.fulfillmentstats' doesn't exist
MySQL localhost:3306 ssl studentreport SQL > describe fulfillmentcentrestats;
                | Type | Null | Key | Default | Extra |
| total_capacity | int | YES |
                                   0
1 row in set (0.0018 sec)
```

```
MySQL localhost:3306 ssl studentreport SQL > delimiter #
MySQL localhost:3306 ssl studentreport SQL > create trigg
                                               > create trigger trig2
                                              -> before insert least 2 records to verify)
                                              -> on fulfillment
                                              -> for each row
                                              -> begin
                                              -> update fulfillmentcentrestats
                                              -> set total_capacity = total_capacity + new.capacity;
Query OK, 0 rows affected (0.0153 sec)
MySQL localhost:3306 ssl studentreport SQL > insert into fulfillment because Fulfillment
                                              -> values
                                              -> ('2001pkm0402', 'ABC', 343 );
Query OK, 1 row affected (0.0144 sec)
MySQL localhost:3306 ssl studentreport SQL > delimiter;
MySQL localhost:3306 ssl studentreport
                                          SQL > select * from fulfillmentcentrestats;
  total capacity |
            343
 row in set (0.0004 sec)
MySQL localhost:3306 ssl studentreport SQL > insert into fullfillment
                                              -> values
                                              -> ('2000rme0000','PQR', 1024);
ERROR: 1146 (42S02): Table 'studentreport.fullfillment' doesn't exist

MySQL localhost:3306 ssl studentreport SQL > insert into fulfillment

-> values
                                              -> ('2000rme0000', 'PQR', 1024);
Query OK, 1 row affected (0.0041 sec)
MySQL localhost:3306 ssl studentreport SQL > select * from fulfillmentcentrestats;
  total_capacity |
           1367
  row in set (0.0004 sec)
MySQL localhost:3306 ssl studentreport SQL > select * from fulfillment;
 product_id | name | capacity |
  2001pkm0402 | ABC
                            343
  2000rme0000 | PQR |
                           1024
 rows in set (0.0004 sec)
```

### Question 3:

```
MySQL localhost:3306 ssl institute SQL > create trigger trig3

-> before delete

DELETE -> on instructor where

-> for each row

-> delete from teachers

HERE -> where id = old.id;

Query OK, 0 rows affected (0.0268 sec)
```

## Question 4:

```
MySQL localhost:3306 ssl institute SQL > create trigger trig4
-> before insert
-> on instructor
-> for each row
-> set new.monthly_sal = new.monthly_sal - 200;
Query OK, 0 rows affected (0.0173 sec)
```

## Question 5:

```
MySQL localhost:3306 ssl institute SQL > drop trigger trig3;
Query OK, 0 rows affected (0.0121 sec)
MySQL localhost:3306 ssl institute SQL >
```