ASSIGNMENT-2

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[COMPANY NAME] [Company address]

Question :2

```sql
create database person;

use person;

create table user(

`user_id` VARCHAR(25) NOT NULL,

`username` VARCHAR(25) NOT NULL,

`password` VARCHAR(255) NOT NULL,

`email` VARCHAR(255) NOT NULL,

PRIMARY KEY (`user_id`));

create table summary(

-> id varchar(25) not null,

-> total_user varchar(25) not null,

-> yahoo varchar(25) not null,

-> hotmail varchar(25) not null,

-> gmail varchar(25) not null,

-> primary key(id));
```

Creating trigger

```sql
create trigger upd

after update on person.users

for each row begin

if(old.email like "%yahoo%") then

update summary set yahoo_users = yahoo_users-1;

elseif(old.email like "%outlook%") then

update summary set outlook_users = outlook_users-1;

elseif(old.email like "%gmail%") then

update summary set gmail_users = gmail_users-1;

end if;
```

if(new.email like "%yahoo%") then

update summary set yahoo_users = yahoo_users+1;elseif(new.email like "%outlook%") then

update summary set outlook_users = outlook_users+1;

elseif(new.email like "%gmail%") then

update summary set gmail_users = gmail_users+1;

end if;

end //

```
MariaDB [person]> create trigger upd
    -> after update on person.user
    -> for each row begin
    -> if(old.email like "%yahoo%") then
    -> update summary set yahoo_users = yahoo_users-1;
    -> elseif(old.email like "%outlook%") then
    -> update summary set outlook_users = outlook_users-1;
    -> elseif(old.email like "%gmail%") then
    -> update summary set gmail_users = gmail_users-1;
    -> end if;
    -> if(new.email like "%yahoo%") then
    -> update summary set yahoo_users = yahoo_users+1;elseif(new.email like "%outlook%") then
    -> update summary set outlook_users = outlook_users+1;
    -> elseif(new.email like "%gmail%") then
    -> update summary set gmail_users = gmail_users+1;
    -> end if;
    -> end //
Query OK, 0 rows affected (0.017 sec)
```

Inserting data

insert into users values('1','sal','1','sal@gmail.com')//

insert into users values('2','harry','1','harry@outlook.com');

insert into users values('3','atif','1','atif@yahoo.com');

insert into users values('4','fawad','1','fawad@gmail.com');

insert into users values('5','mehwish','1','mehwish@yahoo.com');

insert into users values('6','babar','1','babar@yahoo.com');

```
MariaDB [person]> insert into users values('1','sal','1','sal@gmail.com')//
ERROR 1146 (42S02): Table 'person.users' doesn't exist
MariaDB [person]> insert into user values('1','sal','1','sal@gmail.com')//
Query OK, 1 row affected (0.010 sec)

MariaDB [person]> insert into user values('2','harry','1','harry@outlook.com')//
Query OK, 1 row affected (0.010 sec)

MariaDB [person]> insert into user values('3','atif','1','atif@yahoo.com')//
Query OK, 1 row affected (0.007 sec)

MariaDB [person]> insert into user values('4','fawad','1','fawad@gmail.com')//
Query OK, 1 row affected (0.005 sec)
```

```
MariaDB [person]> select * from user;
+---------+----------+----------+--------------------+
| user_id | username | password | email              |
+---------+----------+----------+--------------------+
| 1       | sal      | 1        | sal@gmail.com      |
| 2       | harry    | 1        | harry@outlook.com  |
| 3       | atif     | 1        | atif@yahoo.com     |
| 4       | fawad    | 1        | fawad@gmail.com    |
| 5       | mehwish  | 1        | mehwish@yahoo.com  |
| 6       | babar    | 1        | babar@yahoo.com    |
+---------+----------+----------+--------------------+
6 rows in set (0.001 sec)
```

Testing:

```
MariaDB [person]> select * from summary;
+----+------------+-------------+---------------+-------------+
| id | total_user | yahoo_users | outlook_users | gmail_users |
+----+------------+-------------+---------------+-------------+
| 1  | 6          | 3           | 1             | 2           |
+----+------------+-------------+---------------+-------------+
1 row in set (0.000 sec)
```

Question :1

Add Courses

Course Code

```
CS 101
```

Course Name

```
PF
```

Credits

```
3
```

Submit

CS 101PF3

Data Inserted Successfully Go Back

FAST NUCES

Studen Enrollment   Add Course

Search Student

P19-6015

Submit

1	1	1
CS502	FLASH	5
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS402	test	3
CS 302	ASD	ASD
12	asd	sad
a	asd	asd
ASDASD	1	1

Available Courses

Course Code	Course Name	Credits	Register
CS 101	PF	3	Submit

| CS 101 | | PF | | 3 |

Available Courses

Course Code	Course Name	Credits	Register