

**ADVANCED DATABASE MANAGEMENT SYSTEM LAB****Experiment No.: 9****Aim****Name: Manya Madhu****Roll No: 17****Batch: S2 MCA B****Date:10-06-2022**

Create a student table with fields id,name,subject1,subject2,subject3 and total,percentage. For each entry of row, update total marks and percentage using triggers in SQL

**Procedure**

step 1: start

step 2: create table student

step 3: create trigger on student table

step 4: insert records

step 5: select the table to see if the triggers has been executed

step 6: stop

1. Creating table

```
CREATE TABLE STUDENTINFO (ID INT(20) PRIMARY KEY , NAME  
VARCHAR(20) NOT NULL, SUBJ1 INT,SUBJ2 INT,SUBJ3 INT,TOTAL  
INT(30),PERCENTAGE FLOAT );
```

2. Create Trigger on studentinfo

```
CREATE TRIGGER MARKCHANGE BEFORE INSERT ON STUDENTINFO  
FOR EACH ROW SET new.total=new.SUBJ1+new.SUBJ2+new.SUBJ3,  
new.percentage=new.total /150 * 100 ;
```

3. Inserting values to studentinfo

```
Insert into studentinfo (ID,NAME,SUBJ1,SUBJ2,SUBJ3) VALUES (1001 ,  
'Manya' ,50,49,48);
```

```
insert into studentinfo(ID,NAME,SUBJ1,SUBJ2,SUBJ3)
VALUES(1002,'Malu',49,49,48);
```

```
insert into studentinfo(ID,NAME,SUBJ1,SUBJ2,SUBJ3)
VALUES(1003,'Munnu',46,49,48);
```

#### 4. Studentinfo Table

```
SELECT *FROM STUDENTINFO;
```

	ID	NAME	SUBJ1	SUBJ2	SUBJ3	TOTAL	PERCENTAGE
▶	1001	Manya	50	49	48	147	98
	1002	Malu	49	49	48	146	97.3333
	1003	Munnu	46	49	48	143	95.3333
✱	NULL	NULL	NULL	NULL	NULL	NULL	NULL