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**Roll No**:39

**Batch:** R-MCA

**Date:** 10-06-2022

**ADVANCED DBMS LAB**

**Experiment No: 9**

**Aim**

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

**Commands:**

CREATE DATABASE TRIGER;

USE TRIGER;

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

CREATE TRIGGER MARKCHANGE BEFORE INSERT ON STUDENTINFO FOR EACH ROW SET NEW.TOTAL=NEW.SUBJ1+NEW.SUBJ2+NEW.SUBJ3,

NEW.PER=NEW.TOTAL \* 60/100;

INSERT INTO STUDENTINFO(ID,NAME,SUBJ1,SUBJ2,SUBJ3) VALUES(1001,'EMIL',34,45,49);

INSERT INTO STUDENTINFO(ID,NAME,SUBJ1,SUBJ2,SUBJ3) VALUES(1002,'SIJO',45,46,41);

**OUTPUT**



**Experiment No: 10**

**Aim**

Create a Trigger for student table that will update another table shows the name, total marks and percentage

**Commands:**

USE TRIGER;

CREATE TABLE MARKS(MARKID INT PRIMARY KEY AUTO\_INCREMENT,NAME VARCHAR(20),TOTAL INT,PER INT);

CREATE TRIGGER MARK\_TRIGGER AFTER INSERT ON STUDENTINFO FOR EACH ROW INSERT INTO MARKS(NAME,TOTAL,PER) VALUES(NEW.NAME,NEW.TOTAL,NEW.PER);

INSERT INTO STUDENTINFO(ID,NAME,SUBJ1,SUBJ2,SUBJ3)VALUES(1003,'AKSA',35,42,43),(1004,'SNEHA',44,38,48);

SELECT \*FROM MARKS;

**OUTPUT**



