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**Roll No: 6**

**Batch: MCA B**

**Date:10/06/2022**

**ADVANCED DATABASE MANAGEMENT SYSTEM LAB**

**Experiment No.: 10**

**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: create database**

CREATE DATABASE STUDENT ;

USE STUDENT;

**step 2: create table student**

CREATE TABLE STUDENT(ID INT PRIMARY KEY,NAME VARCHAR(20),SUBJECT1 INT,SUBJECT2 INT,SUBJECT3 INT,TOTAL\_MARKS INT,PERCENTAGE FLOAT);

**step 3: create trigger on student table**

CREATE TRIGGER STUD\_MARK BEFORE INSERT ON STUDENT FOR EACH ROW SET NEW.TOTAL\_MARKS = NEW.SUBJECT1 + NEW.SUBJECT2 +NEW.SUBJECT3,NEW.PERCENTAGE =NEW.TOTAL\_MARKS / 60 \* 100;

**step 4: insert records**

INSERT INTO STUDENT(ID,NAME,SUBJECT1,SUBJECT2,SUBJECT3) VALUES(1, "AMAL", 18, 19, 15);

INSERT INTO STUDENT(ID,NAME,SUBJECT1,SUBJECT2,SUBJECT3) VALUES(2, "JESNA", 19, 17, 18);

INSERT INTO STUDENT(ID,NAME,SUBJECT1,SUBJECT2,SUBJECT3) VALUES(3, "VARSHA", 20, 20, 20);

INSERT INTO STUDENT(ID,NAME,SUBJECT1,SUBJECT2,SUBJECT3) VALUES(4, "NEHA", 17, 16, 18);

**OUTPUT**

