ADVANCED DBMS LAB

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Roll No: 37

Batch: R-MCA

Date: 10-06-2022

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 auto_increment not null, 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,'aamii',34,45,49);

insert into studentinfo(id,name,subj1,subj2,subj3) values(1002,'aina',38,48,44);

insert into studentinfo(id,name,subj1,subj2,subj3) values(1003,'achuss',30,40,45);

select * from studentinfo;

Output

	1001	Aamii	34	45	49	128	77
	1002	Aina	38	48	44	130	78
	1003	achuss	30	40	45	115	69
	NULL	NULL	NULL	NULL	NULL	NULL	NULL

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_marks int);

create trigger mark_trigger after insert on studentinfo for each row insert into marks(name,total_marks) values(new.name,new.total);

insert intostudentinfo(id,name,subj1,subj2,subj3)

values(37,'aamii',45,47,45),(36,'shamjadikka',44,48,28);

select * from marks;

OUTPUT

	MARKID	NAME	TOTAL_MARKS
▶	1	Aamii	137
	2	shamjadikka	120
✳	NULL	NULL	NULL

	ID	NAME	SUBJ1	SUBJ2	SUBJ3	TOTAL	PER
▶	36	shamjadikka	44	48	28	120	72
	37	Aamii	45	47	45	137	82
	1001	Aamii	34	45	49	128	77
	1002	Aina	38	48	44	130	78
	1003	achuss	30	40	45	115	69
✳	NULL	NULL	NULL	NULL	NULL	NULL	NULL