Assignment

Sept23/ DBT/128

Database Technologies

Diploma in Advance Computing

September 2023

**Trigger**

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| 1. Write a trigger (named insertStudent) that saves the message "Record inserted successfully" in LOG table as soon as you insert the record in insertStudent table. |
| drop trigger if exists insertStudent ;  drop table if exists log;  delimiter $  create table log(curr\_date date, curr\_time time, msg varchar(1000));  create trigger insertStudent after insert on insertStudent for each row  begin  insert into log values(current\_date, current\_time, 'Record inserted successfully');  end $  delimiter ; |
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| 1. Write a trigger (named insertDuplicate) on STUDENT table, that as when we INSERT a record in STUDENT table the same record should get duplicated (INSERTED) in STUDENT\_LOG table. (Create STUDENT\_LOG table, having the same structure as STUDENT table). |
| drop trigger if exists insertDuplicate;  drop table if exists student\_log;  delimiter $  create table student\_log(id int, namefirst varchar(10));  create trigger insertDuplicate after insert on student for each row  begin  insert into student\_log(id, namefirst) values(new.id, new.namefirst);  end $  delimiter ; |
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| 1. Write a trigger on STUDENT table, that as soon as we UPDATE student name column data in STUDENT table, the update record should get inserted in STUDENT\_LOG table. |
| drop trigger if exists updateRecord;  drop table if exists student\_log;  delimiter $  create table student\_log(id int, namefirst varchar(10));  create trigger updateRecord after update on student for each row  begin  insert into student\_log(id, namefirst) values(new.id, new.namefirst);  end $  delimiter ; |
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| 1. Write a trigger on STUDENT table, that as soon as we DELETE any record from STUDENT table, then that record should get inserted into STUDENT\_LOG table. |
| drop trigger if exists updateRecord;  drop table if exists student\_log;  delimiter $  create table student\_log(id int, namefirst varchar(10));  create trigger updateRecord after delete on student for each row  begin  insert into student\_log(id, namefirst) values(old.id, old.namefirst);  end $  delimiter ; |
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| 1. Write a trigger on STUDENT table, that if today is Sunday then, no record should get inserted in STUDENT table. |
| drop trigger if exists insertStudent;  drop table if exists log;  delimiter $  create table log(curr\_date date, curr\_time time, msg varchar(1000));  create trigger insertStudent before insert on student for each row  begin  if dayname(now()) = 'Sunday' then  signal sqlstate '42000' set message\_text = "Invalid , data entry on sunday is restricted !!";  insert into log values(current\_date, current\_time, 'Sunday');  end if;  end $  delimiter ; |
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