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;  delimiter $  create trigger insertStudent after insert on std1 for each ROW  BEGIN  insert into log(curr\_date, curr\_time, message) values(CURRENT\_DATE(), CURRENT\_TIME(), "record inserted");  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;  delimiter $  create trigger insertDuplicate after insert on student for each ROW  BEGIN  insert into student\_log values(new.ID, new.namefirst, new.namelast, new.DOB, new.emailID);  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 updateStu;  delimiter $  create trigger updateStu after update on student for each row  BEGIN  insert into student\_log values(new.ID, new.namefirst, new.namelast, new.DOB, new.emailID);  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 updateStu;  delimiter $  create trigger updateStu before delete on student for each row  BEGIN  insert into student\_log values(old.ID, old.namefirst, old.namelast, old.DOB, old.emailID);  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 Ntday;  delimiter $  create trigger Ntday before insert on student for each row  begin  if dayname(now()) = 'Tuesday' then  signal sqlstate '42000' set message\_text = 'Invalid entry';  end if;  end $  delimiter ; |
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