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 BEFORE insert ON student\_new for each row  BEGIN  INSERT INTO LOG (curr\_date,curr\_time,message)VALUES(curdate(),curtime(),"Record Insertion SUCCESSFUL");  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 BEFORE insert on student\_new for each row  BEGIN  insert into student\_log VALUES(new.studentid,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 insertUpdate;  delimiter $  create trigger insertUpdate before update on student\_new for each row  BEGIN  insert into student\_log VALUES(old.studentid,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 deleteStudent;  delimiter $  create trigger deleteStudent before delete on student\_new for each row  BEGIN  insert into student\_log VALUES(old.studentid,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 checkInsert;  delimiter $  create trigger checkInsert before insert on student\_new for each row  BEGIN  if dayname(curdate())="Wednesday" then  signal sqlstate '42000' set message\_text="it's sunday";  end if;  end $  delimiter ; |
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