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 insertStudent for each row  begin  insert into log values("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;  delimiter $  create trigger insertDuplicate before 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 update\_studentDetails;  delimiter $  create trigger update\_studentDetails before update on student for each row  BEGIN  --update student\_log set emailid=new.emailID where id=new.id;  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 delete\_studentDetails;  delimiter $  create trigger delete\_studentDetails before delete on student for each row  BEGIN  -- delete from student\_log where id=old.id;  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 PreventSunday\_insertion;  delimiter $  create trigger PreventSunday\_insertion before insert on student for each row  BEGIN  if date\_format(now(),'%W') = 'sunday' THEN  signal sqlstate '45000'  set message\_text = "Insert on sunday not allowed ";  end if;  end $  delimiter ; |
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