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 procedure if exists insert2341;  delimiter $  create procedure insert2341()  BEGIN  create table insertstudent2 (id int,message varchar(100));  END $  delimiter ;  drop trigger if exists inst;  delimiter $  create trigger inst after insert on insertstudent2 for each row  BEGIN  insert into log2(message) 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 insertDuplicate1;  delimiter $  create trigger insertDuplicate1 before update on student for each ROW  BEGIN  insert into student\_log1(id,namefirst,namelast,DOB,emailid)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 insertDuplicate1;  delimiter $  create trigger insertDuplicate1 before delete on student for each ROW  BEGIN  insert into student\_log1(id,namefirst,namelast,DOB,emailid)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 sundayinsertion;  delimiter $  create trigger sundayinsertion before insert on student for each row  BEGIN  if dayname(now())='sunday' THEN  signal sqlstate '42000' set message\_text='Invalid transaction, because today is sunday';  end if;    END $  delimiter ; |
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