Assignment

March23/ DBT/128

Database Technologies

Diploma in Advance Computing

March 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 student for each ROW  begin  insert into log values(default,curtime(),curdate(),concat("Record inserted successfully for id : ",new.id));  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  declare \_id int;  select max(id)+1 into \_id from student\_log;  insert into log values(ifnull(\_id,1),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 insertDuplicate;  delimiter $  create trigger insertDuplicate after update on student for each ROW  begin  declare \_id int;  select max(id)+1 into \_id from student\_log;  insert into log values(ifnull(\_id,1),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 deleteDuplicate;  delimiter $  create trigger deleteDuplicate after delete on student for each ROW  begin  declare \_id int;  select max(id)+1 into \_id from student\_log;  insert into log values(ifnull(\_id,1),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 holiday;  delimiter $  create trigger holiday after insert on student for each ROW  begin  if dayname(curdate()) = 'Sunday' THEN  SIGNAL SQLSTATE '42000' SET MESSAGE\_TEXT = Record cannot be inserted on Holidays';  end if;  end $  delimiter ; |
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