Assignment

Feb20/ DBT/128

Database Technologies

Diploma in Advance Computing

February 2020

**Trigger**

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| 1. Write a trigger (named insertDepartment) that saves the message "Record inserted successfully" in LOG table as soon as you insert the record in N2DEPARTMENT table. |
| drop trigger if exists insertDepartment;  delimiter $$  create trigger insertDepartment before insert on n2department for each row  begin    insert into log(curr\_date, curr\_time, message) values (current\_date, current\_time, 'Record Inserted');  end$$  delimiter ; |
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| 1. Write a trigger (named insertDuplicate) on N2EMPLOYEE table, that as when we INSERT a record in N2EMPLOYEE table the same record should get duplicated (INSERTED) in EMP\_LOG table. (Create EMP\_LOG table, having the same structure as N2EMPLOYEE table). |
| drop trigger if exists insertDuplicate;  delimiter $$  create trigger insertDuplicate before insert on n2employee for each row  begin    insert into emp\_log (ID, FIRSTNAME, LASTNAME, GENDER, HIREDATE) values (new.ID, new.FIRSTNAME, new.LASTNAME, new.GENDER, new.HIREDATE);  end$$  delimiter ; |
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| 1. Write a trigger on N2EMPLOYEE table, that as soon as we UPDATE any column data in N2EMPLOYEE table, the update record should get inserted in EMP\_LOG table. |
| drop trigger if exists updateemployee;  delimiter $$  create trigger updateemployee before update on n2employee for each row  begin  insert into emp\_log (id, firstname, lastname, gender, hiredate) values(old.id, old.firstname, old.lastname, old.gender, old.hiredate);  end$$  delimiter ; |
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| 1. Write a trigger on N2EMPLOYEE table, that as soon as we DELETE any record from N2EMPLOYEE table, then that record should get inserted into EMP\_LOG table. |
| drop trigger if exists deleteemployee;  delimiter $$  create trigger deleteemployee before delete on n2employee for each row  begin  insert into e(id, firstname, lastname, gender, hiredate) values(old.id, old.firstname, old.lastname, old.gender, old.hiredate);  end$$  delimiter ; |
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| 1. Write a trigger on N2EMPLOYEE table, that if today is Sunday then, no record should get inserted in EMP table. |
| drop trigger if exists insertValidation;  delimiter $$  create trigger insertValidation after insert on n2employee for each row  begin  if DATE\_FORMAT (now(), '%W') = 'Tuesday' then  signal sqlstate '42000' set message\_text = 'Record cannot be inserted';  end if;  end$$  delimiter ; |
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