Assignment

Sept23/ DBT/128.1
Database Technologies
Diploma in Advance Computing
September 2023

Trigger

1. Create a table R(id int, ename varchar(20), age int, message varchar(40)).
   Write a trigger to insert a row in relation R if the age of the person is above 18 years else display message "Person not eligible for voting"

```
drop trigger if exists eligible;
delimiter $
create trigger eligible before insert on k for each ROW

begin
if new.age >18 then
 INSERT into rn(id,ename,age) values(new.id,new.ename,new.age);

else
signal sqlstate "42000" set message_text="invalid voting";

 end if;
end $

delimiter
```

2. Create two table patient registration table (pid int, pname varchar(20), age int) and patient prescription table (pid int, pdate date, medicine varchar(40))
   Write a trigger to insert patient prescription details if the entered patient id is present in patient registration table else print "Person is not a registered patient".

```
-- Create patient registration table
CREATE TABLE patient_registration (
    pid INT,
    pname VARCHAR(20),
    age INT
);

-- Create patient prescription table
CREATE TABLE patient_prescription (
    pid INT,
    pdate DATE,
    medicine VARCHAR(40)
);

-- Create a trigger
DELIMITER $
```

```sql
CREATE TRIGGER before_insert_patient_prescription
BEFORE INSERT ON patient_prescription
FOR EACH ROW
BEGIN
    DECLARE is_registered INT;

    -- Check if the patient ID exists in the patient registration table
    SELECT COUNT(*) INTO is_registered FROM patient_registration WHERE pid = NEW.pid;

    -- If the patient is registered, insert the prescription details
    IF is_registered > 0 THEN
        -- No action needed, the prescription will be inserted
    ELSE
        -- If not registered, print an error message and prevent the insertion
        SIGNAL SQLSTATE '45000'
        SET MESSAGE_TEXT = 'Person is not a registered patient';
    END IF;
END $

DELIMITER ;
```