Akshay S. Chavan TEB-15

**ASSIGNMENT NO-05**

PostgreSQL-

\l ==> to display all databases

\c ==> to select database

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**1) Write a PL/SQL block to accept input for Borrower Table**

create or replace function accept(Rollin NUMERIC, Name VARCHAR,DateofIssue date,NameofBook varchar,Status varchar) returns void as

$$

begin

insert into Borrower values(Rollin,Name,DateofIssue,NameofBook,Status);

raise notice 'Record Inserted';

end

$$

language plpgsql;

**2) Write a PL/SQL block using control structures to calculate fine by using the following rules:**

**a.check the number of days (from date of issue), if days are between 15 to 30 then fine amount will be Rs 5per day**

**b. If no. of days>30, per day fine will be Rs 50 per day**

**c. for days less than 30, Rs. 5 per day.**

**After submitting the book, status will change from I to R. If condition of fine is true, then details will be stored into fine table.**

CREATE or REPLACE function fine(Roll\_in integer,DateofReturn date) returns void as

$$

DECLARE

fine integer;

days integer;

BEGIN

select abs(Current\_Date - DateofReturn) into days;

IF days >15 AND days < 30 THEN

fine:=5\*days;

ELSIF days > 30 THEN

fine:=50\*days;

ELSIF days < 30 THEN

fine:= 5\*days;

END IF;

raise notice 'Fine=%',fine;

update Borrower set Status='R' where rollin=Roll\_in;

insert into Fine values(Roll\_in,Current\_Date,fine);

END

$$ language plpgsql;