/\*

create table borrower(rollno int , name varchar(50) , dateOfIssue date , nameOfBook varchar(50) , status varchar(5));

\*/

/\*

begin

insert into borrower values (1 , 'himanshu' , '02/03/2020' , 'Dangal' , 'I');

insert into borrower values (2 , 'xyz' , '02/03/2020' , 'Newton' , 'I');

insert into borrower values (3 , 'abc' , '12/03/2020' , 'Hardy' , 'I');

insert into borrower values (4 , ‘pqr' , '12/01/2020' , 'Extinction' , 'I');

end;

\*/

/\*

select \* from borrower;

\*/

/\*

create table fine (rollno int , currentDate date , amount int);

\*/

/\*

/\*

CREATE OR REPLACE FUNCTION calfine (Roll integer) RETURN integer is

status char;

ret date;

issue date;

cnt integer;

currDate date;

fine5 integer := 5;

fine50 integer := 50;

totalFine integer;

BEGIN

select dateOfIssue , status into issue , status from borrower where rollno=Roll;

dbms\_output.put\_line('Issue date : ' || issue);

currDate := SYSDATE;

cnt := currDate - issue;

dbms\_output.put\_line('Total Days : ' || cnt);

IF status = 'R' THEN

dbms\_output.put\_line('Book already returned...!');

totalFine := 0;

ELSIF cnt <= 15 THEN

totalFine := 0;

ELSIF (cnt > 30) THEN

totalFine := ((fine50\*(cnt-30)) + (fine5\*15));

--insert into fine values (Roll,currDate,totalFine);

--UPDATE borrower set status = 'R' WHERE rollno = Roll;

ELSE

totalFine := fine5\*(cnt-15);

--insert into fine values (Roll,currDate,totalFine);

--UPDATE borrower set status = 'R' WHERE rollno = Roll;

END IF;

return totalFine;

EXCEPTION

WHEN no\_data\_found THEN

dbms\_output.put\_line('No Student with that Rollno found...');

return 0;

WHEN others THEN

dbms\_output.put\_line('Error!');

return 0;

END;

\*/

/\*

create or replace FUNCTION submit (Roll integer) RETURN integer is

status char;

ret date;

issue date;

currDate date;

totalFine integer := calfine(Roll);

BEGIN

select dateOfIssue , status into issue , status from borrower where rollno=Roll;

currDate := SYSDATE;

IF status = 'I' THEN

dbms\_output.put\_line('Your book has been returned');

dbms\_output.put\_line('Total fine : ' || totalFine || '/-');

insert into fine values (Roll,currDate,totalFine);

UPDATE borrower set status = 'R' WHERE rollno = Roll;

END IF;

return 0;

EXCEPTION

WHEN no\_data\_found THEN

dbms\_output.put\_line('No Student with that Rollno found...');

return 0;

WHEN others THEN

dbms\_output.put\_line('Error!');

return 0;

END;

\*/

/\*

begin

dbms\_output.put\_line('Total fine : ' || calfine(1) || '/-');

end;

\*/

/\*

declare

temp integer;

begin

temp := submit(1);

end;;

\*/

select \* from borrower;

select \* from fine;