Table Creation:

create table borrower\_detail(Rollin int, Name varchar(15), DateofIssue date,

NameofBook varchar(20), Status varchar(10));

Table created.

SQL> create table fine\_detail(Roll\_no int,FineDate date,Amt int);

Table created.

PL/SQL Code:

SQL> edit fine

declare

roll\_no number;

name\_of\_book varchar(10);

diff\_date number;

p\_date date;

i\_date date;

fine\_amt real;

begin

roll\_no:=&roll\_no;

name\_of\_book:='&name\_of\_book';

select dateofissue into i\_date from Borrower\_detail where rollin=roll\_no; select

sysdate - i\_date into diff\_date from dual; dbms\_output.put\_line(diff\_date);

if (diff\_date>15 AND diff\_date<30) then

fine\_amt:=diff\_date\*5;

else

fine\_amt:=diff\_date\*50;

end if;

dbms\_output.put\_line('fine amt='||fine\_amt);

update Borrower\_detail set status='r' where rollin=roll\_no;

if (fine\_amt>0) then

insert into Fine\_detail values(roll\_no,i\_date,fine\_amt); end if;

end;

/

Data Insertion:

SQL> insert into borrower\_detail values(1001,'Vasuki','03-NOV-20','CPP','I');

1 row created.

SQL> insert into borrower\_detail values(1002,'Ria','03-OCT-20','SEPM','I');

1 row created.

SQL> insert into borrower\_detail values(1003,'Madhuri','01-DEC-20','DBMS','I');

1 row created.

Output:

SQL> @fine

Enter value for roll\_no: 1001

old 9: roll\_no:=&roll\_no;

new 9: roll\_no:=1001;

Enter value for name\_of\_book: CPP

old 10: name\_of\_book:='&name\_of\_book'; new 10: name\_of\_book:='CPP';

PL/SQL procedure successfully completed.

SQL> select \* from fine\_detail;

ROLL\_NO FINEDATE AMT

- -

1001 03-NOV-20 148

SQL> @fine

Enter value for roll\_no: 1002

old 9: roll\_no:=&roll\_no;

new 9: roll\_no:=1002;

Enter value for name\_of\_book: SEPM

old 10: name\_of\_book:='&name\_of\_book'; new 10: name\_of\_book:='SEPM';

PL/SQL procedure successfully completed.

SQL> select \* from fine\_detail;

ROLL\_NO FINEDATE AMT

- -

1001 03-NOV-20 148 1002 03-OCT-20 3025

SQL> select \* from borrower\_detail;

ROLLIN NAME DATEOFISS NAMEOFBOOK STATUS

1001 Vasuki 03-NOV-20 CPP r

1002 Ria 03-OCT-20 SEPM r

1003 Madhuri 01-DEC-20 DBMS l