code:

declare

r number;

bn varchar(20);

isdate date;

rdate date;

d int;

amt float(10);

begin

r:=&r;

bn:='&bn';

rdate:=sysdate;

select issuedate into isdate from borrower where rollno=r and bookname=bn and status='i';

d:=rdate-isdate;

dbms\_output.put\_line('no of days: '|| d);

if d<15 then

dbms\_output.put\_line('No Fine');

update borrower set status='r' where rollno=r and bookname=bn;

elsif d>15 and d<30 then

amt:=d\*5;

update borrower set status='r' where rollno= r and bookname=bn;

elsif d>30 then

amt:=d\*50;

update borrower set status='r' where rollno=r and bookname=bn;

else

dbms\_output.put\_line('no record found ');

end if;

if amt>0 then

insert into fine values (r, rdate, d,amt);

end if;

Exception

when no\_data\_found then

dbms\_output.put\_line('record not match for the table ');

end;

Enter user-name: system

Enter password:

Last Successful login time: Sun Sep 21 2025 15:05:40 +05:30

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production

Version 21.3.0.0.0

SQL> create table borrower (rollno int,name varchar(20),bookname varchar(10),issuedate date,status varchar(1));

create table borrower (rollno int,name varchar(20),bookname varchar(10),issuedate date,status varchar(1))

SQL> desc borrower;

Name Null? Type

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ROLLNO NUMBER(38)

NAME VARCHAR2(20)

BOOKNAME VARCHAR2(10)

ISSUEDATE DATE

STATUS VARCHAR2(1)

SQL> create table fine (rollno int,returndate date, days int,amout float);

Table created.

SQL> desc fine;

Name Null? Type

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ROLLNO NUMBER(38)

RETURNDATE DATE

DAYS NUMBER(38)

AMOUT FLOAT(126)

SQL> insert into borrower values (101,OM ,DSA ,'20-june -2025','i');

1 row created.

SQL> insert into borrower values (102,Manoj ,'python','2-march -2025','i');

1 row created.

SQL> insert into borrower values (103,Karan ,'c++','20-sep -2025','i');

1 row created.

SQL> insert into borrower values (104,Chaitanya ,Java ,21 -sep-2025','i');

1 row created.

SQL> insert into borrower values (105,Abhishek ,'my book','16-sep-2025','i');

1 row created.

SQL> select \* from borrower;

ROLLNO NAME BOOKNAME ISSUEDATE S

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101 OM DSA 20-June-2025 i

102 Manoj python 2-march -2025 i

103 Karan c ++ 20-sep-2025 i

104 Chaitanya Java 21-sep-2025 i

105 Abhishek my book 16-sep-2025 i

SQL> set serveroutput on

SQL> @C:\sql\pr4.sql

Enter value for r: 102

old 9: r:=&r;

new 9: r:=102;

Enter value for bn: python

old 10: bn:='&bn';

new 10: bn:='python';

no of days: 51

PL/SQL procedure successfully completed.

SQL> @C:\sql\pr4.sql

Enter value for r: 105

old 9: r:=&r;

new 9: r:=105;

Enter value for bn: my book

old 10: bn:='&bn';

new 10: bn:='my book';

no of days: 6

No Fine

SQL> @C:\sql\pr4.sql

Enter value for r: 101

old 9: r:=&r;

new 9: r:=101;

Enter value for bn: DSA

old 10: bn:='&bn';

new 10: bn:=DSA;

no of days: 57

PL/SQL procedure successfully completed.

SQL> select \*from borrower;

ROLLNO NAME BOOKNAME ISSUEDATE S

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101 OM DSA 20-June-2025 r

102 Manoj python 2-march -2025 r

103 Karan c ++ 20-sep-2025 i

104 Chaitanya Java 21-sep-2025 i

105 Abhishek my book 16-sep-2025 r