PRACTICAL 4

declare

r number(3);

bn varchar(20);

amt number(6,2);

rd date;

di date;

day number(3);

begin

r :=&r;

bn :='&bn';

select issuedate into di from Borrower where rollno=r and nameofbook=bn and status='I';

rd :=sysdate;

day :=rd - di;

if day<15 then

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

update Borrower set status='R' where rollno=r and nameofbook=bn;

elsif day>15 and day<30 then

amt :=day\*5;

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

elsif day>30 then

amt :=day\*50;

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

else

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

end if;

if amt>0 then

insert into fine values(r,rd,amt);

end if;

end;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on wed Aug 10 11:11:21 2025

Version 21.3.0.0.0

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Enter user-name: system

Enter password:

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 number(3),name varchar(20),nameofbook varchar(20),issuedate date,status char(1));

Table created.

SQL> select sysdate from dual;

SYSDATE

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07-AUG-25

SQL> desc borrower;

Name Null? Type

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ROLLNO NUMBER(3)

NAME VARCHAR2(20)

NAMEOFBOOK VARCHAR2(20)

ISSUEDATE DATE

STATUS CHAR(1)

SQL> alter table borrower add primary key(rollno);

Table altered.

SQL> insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status');

Enter value for rollno: 101

Enter value for name: laxman

Enter value for nameofbook: dbms

Enter value for issuedate: 08-jul-25

Enter value for status: I

old 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status')

new 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(101,'laxman','dbms','07-jul-25','I')

1 row created.

SQL> insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status');

Enter value for rollno: 102

Enter value for name: snehal

Enter value for nameofbook: java

Enter value for issuedate: 09-aug-25

Enter value for status: I

old 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status')

new 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(102,'snehal,'java','06-aug-25','I')

1 row created.

SQL> insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status');

Enter value for rollno: 103

Enter value for name: ram

Enter value for nameofbook: python

Enter value for issuedate: 16-jul-25

Enter value for status: I

old 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(&rollno,'&name','&nameofbook','&issuedate','&status')

new 1: insert into borrower (rollno,name,nameofbook,issuedate,status) values(103,'ram','python','11-jul-25','I')

1 row created.

SQL> select \* from borrower;

ROLLNO NAME NAMEOFBOOK ISSUEDATE S

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101 laxman dbms 08-jul-25 I

102 snehal java 09-aug-25 I

103 ram python 16-jul-25 I

SQL> create table fine(rollno number(3),rdate date,amount number(6,2));

Table created.

SQL> insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount');

Enter value for rollno: 101

Enter value for rdate: 01-aug-25

Enter value for amount: 100

old 1: insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount')

new 1: insert into fine (rollno,rdate,amount) values (101,'01-aug-25','100')

1 row created.

SQL> insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount');

Enter value for rollno: 102

Enter value for rdate: 09-aug-25

Enter value for amount: 50

old 1: insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount')

new 1: insert into fine (rollno,rdate,amount) values (102,'09-aug-25','50')

1 row created.

SQL> insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount');

Enter value for rollno: 103

Enter value for rdate: 02-aug-25

Enter value for amount: 150

old 1: insert into fine (rollno,rdate,amount) values (&rollno,'&rdate','&amount')

new 1: insert into fine (rollno,rdate,amount) values (103,'02-aug-25','150')

1 row created.

SQL> select \* from fine;

ROLLNO RDATE AMOUNT

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101 01-AUG-25 100

102 09-AUG-25 50

103 02-AUG-25 150

SQL> set serveroutput on;

SQL> @C:\Users\Projectlab\Desktop\PLsql\pl.sql

Enter value for r: 101

old 9: r :=&r;

new 9: r :=101;

Enter value for bn: dbms

old 10: bn :='&bn';

new 10: bn :='dbms';

PL/SQL procedure successfully completed.

SQL> select \* from borrower;

ROLLNO NAME NAMEOFBOOK ISSUEDATE S

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101 laxman dbms 08-jul-25 R

102 pranav java 09-aug-25 I

103 prabhu css 16-jul-25 I

SQL> select \* from fine;

ROLLNO RDATE AMOUNT

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101 01-AUG-25 100

102 09-AUG-25 50

103 02-AUG-25 150

101 07-AUG-25 1650

SQL> SELECT rollno,rdate,amount from fine where rollno =&r;

Enter value for r: 102

old 1: SELECT rollno,rdate,amount from fine where rollno =&r

new 1: SELECT rollno,rdate,amount from fine where rollno =102

ROLLNO RDATE AMOUNT

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102 09-AUG-25 50

SQL>