# Practical No:4

### PL/SQL Code:

declare

r int;

bn varchar(20);

isdate date;

rdate date;

d int;

amt float;

begin

r := &r;

bn := '&bn';

rdate := sysdate;

begin

select issue\_date

into isdate

from borrower

where rollno = r

and book\_title = 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 book\_title = bn;

amt := 0;

elsif d >= 15 and d < 30 then

amt := d \* 5;

update borrower set status = 'r' where rollno = r and book\_title = bn;

dbms\_output.put\_line('fine amount: ' || amt);

elsif d >= 30 then

amt := d \* 50;

update borrower set status = 'r' where rollno = r and book\_title = bn;

dbms\_output.put\_line('fine amount: ' || amt);

else

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

amt := 0;

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 matched in the table');

end;

end;

/

SQL\*Plus: Release 21.0.0.0.0 - Production on Sun Sep 21 15:24:29 2025

Version 21.3.0.0.0

Copyright (c) 1982, 2021, Oracle. All rights reserved.

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, student\_name varchar(20), book\_title varchar(20), issue\_date date, status varchar(1));

Table created.

SQL> create table fine (rollno int, return\_date date, days int, amount float);

Table created.

SQL> insert into borrower values (201, 'sarthak', 'dbms', to\_date('01-sep-2025'), 'i');

1 row created.

SQL> insert into borrower values (202, 'heramb', 'cns', to\_date('05-sep-2025'), 'i');

1 row created.

SQL> insert into borrower values (203, 'ritesh', 'toc', to\_date('10-sep-2025'), 'i');

1 row created.

SQL> insert into borrower values (204, 'amol', 'spos', to\_date('15-sep-2025'), 'i');

1 row created.

SQL> insert into borrower values (205, 'jaydeep', 'iotes', to\_date('20-sep-2025'), 'i');

1 row created.

SQL> @"C:\Users\sarth\Downloads\dbms\_pr4.sql"

Enter value for r: 202

old 9: r := &r;

new 9: r := 202;

Enter value for bn: cnc

old 10: bn := '&bn';

new 10: bn := 'cnc';

PL/SQL procedure successfully completed.

SQL> cnc

SP2-0042: unknown command "cnc" - rest of line ignored.

SQL> 202

SP2-0226: Invalid line number

SQL> @"C:\Users\sarth\Downloads\dbms\_pr4.sql"

Enter value for r: 202

old 9: r := &r;

new 9: r := 202;

Enter value for bn: cns

old 10: bn := '&bn';

new 10: bn := 'cns';

PL/SQL procedure successfully completed.

SQL> select \* from borrower;

ROLLNO STUDENT\_NAME BOOK\_TITLE ISSUE\_DAT S

---------- -------------------- -------------------- --------- -

201 sarthak dbms 01-SEP-25 i

202 heramb cns 05-SEP-25 r

203 ritesh toc 10-SEP-25 i

204 amol spos 15-SEP-25 i

205 jaydeep iotes 20-SEP-25 i

SQL> select \* from fine;

ROLLNO RETURN\_DA DAYS AMOUNT

---------- --------- ---------- ----------

202 13-OCT-25 38 1900

SQL>