**Practical No : 04**

**Name:** Pawar Shivanjali Shivaji **Div:** B

**RollNo:**CO3B33 **Batch :** B3

**Aim :** Write a Pl/SQL block of code for accepting the roll\_no and name of the book from user and also checking the number of days and performance once comparision between days from date of issue and also for after submitting the block status of get changed.

**QUERIES :**

SQL\*Plus: Release 11.2.0.2.0 Production on Thu Sep 26 13:12:16 2024 Copyright (c) 1982, 2014, Oracle. All rights reserved.

SQL> connect System Enter password:

Connected.

SQL> create table library20(roll\_no number(10),name varchar(20),date\_of\_issuedate,name\_of\_bookvarchar(10),status varchar(20)); Table created.

SQL> insert into library20 values(1,'Siddhi','10-April-2024','DBMS','Retuen'); 1 row created.

SQL> insert into library20 values(2,'Rajshri','10-April-2024','DBMS','Return');

1 row created.

SQL> select\*from library20;

ROLL\_NO NAME DATE\_OF\_I NAME\_OF\_BO STATUS

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1. Siddhi 10-APR-24 DBMS Retuen
2. Rajshri 10-APR-24 DBMS Return

SQL> insert into library20 values(3,'Sakshi','10-April-2024','DBMS','Return'); 1 row created.

SQL> insert into library20 values(4,'Ekta','20-April-2024','JAVA','No Return'); 1 row created.

SQL> insert into library20 values(5,'Gauri','20-April-2024','JAVA','No Return');

1 row created.

SQL> select\*from library20;

ROLL\_NO NAME DATE\_OF\_I NAME\_OF\_BO STATUS

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1. Siddhi 10-APR-24 DBMS Retuen
2. Rajshri 10-APR-24 DBMS Return
3. Sakshi 10-APR-24 DBMS Return
4. Ekta 20-APR-24 JAVA No Return
5. Gauri 20-APR-24 JAVA No Return

SQL> create table fine2(roll\_no number(10),date\_of\_returndate,amount number(10)); Table created.

SQL> insert into fine2 values(1,'25-April-2024',10); 1 row created.

SQL> insert into fine2 values(2,'25-April-2024',10); 1 row created.

SQL> insert into fine2 values(3,'25-April-2024',10); 1 row created.

SQL> insert into fine2 values(4,'25-April-2024',10); 1 row created.

SQL> insert into fine2 values(5,'25-April-2024',10);

1. row created.

SQL> select\*from fine2;

ROLL\_NO DATE\_OF\_R AMOUNT

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1. 25-APR-24 10
2. 25-APR-24 10
3. 25-APR-24 10 5 25-APR-24 10

SQL> declare

1. rno number(3):=&roll\_no;
2. bname varchar2(10):'&name\_of\_book';
3. no\_day number(10);
4. issue date date;
5. fine2amt number(5):=0;
6. begin
7. select date\_of\_issueintiissue\_date from library20 where roll\_no=rno;
8. select sysdate-to\_date
9. select sysdate-to\_date(issue\_date)days into no\_dayfrm dual;
10. if(no\_day>=15 and no\_day<=30)then
11. fine2amt:no\_day\*5;
12. elseifno\_day>30then
13. elseifno\_day>30 then
14. fine2amt:=no\_day\*50;
15. end if;
16. update library20 set status='return'whereroll\_no=rno;
17. if fine2amt>0then
18. insert into fine2 values(rno,sysdate,fine2amt);
19. endif;
20. EXCEPTION
21. WHEN no\_data\_found THEN
22. dbms\_output.put\_line('record not found');
23. end;
24. /

Enter value for roll\_no: 3 old 2: rnonumber(3):=&roll\_no; new 2: rno number(3):=3; Enter value for name\_of\_book: DBMS old 3: bname varchar2(10):'&name\_of\_book'; new 3: bname varchar2(10):'DBMS';

PL/SQL procedure successfully completed.

SQL> select\*from fine2;

ROLL\_NO DATE\_OF\_R AMOUNT

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1. 25-APR-24 10
2. 25-APR-24 10
3. 25-APR-24 10
4. 25-APR-24 10

SQL> select\*from library20;

ROLL\_NO NAME DATE\_OF\_I NAME\_OF\_BO STATUS

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1. Siddhi 10-APR-24 DBMS Retuen
2. Rajshri 10-APR-24 DBMS Return
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4. Ekta 20-APR-24 JAVA No Return
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