Name:Shivraj Jitendra Bhosale Batch: B1

Roll No:CO3B06

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# ASSIGNMENT:-4

**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\_issue date,name\_of\_book varchar(10),status varchar(20)); Table created.

SQL> insert into library20 values(1,'Sarthak','10-August-2024','DBMS','Return');

1 row created.

SQL> insert into library20 values(2,'Raj','11-August-2024','Java','Return');

1 row created.

SQL> select\*from library20;

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

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1. Sarthak 10-August-24 DBMS Return
2. Raj 11-August-24 Java Return SQL> insert into library20 values(3,'Sakshi','15-April-2024','Puthon','Return'); 1 row created.

SQL> insert into library20 values(4,'Pooja','20-April-2024','C++','Not Return'); 1 row created.

SQL> insert into library20 values(5,'Gauri','25-July-2024','Java','Not Return');

1 row created.

SQL> select\*from library20;

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

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1. Sarthak 10-August-24 DBMS Retuen
2. Raj 11-August-24 Java Return
3. Sakshi 15-April-24 Python Return
4. Pooja 20-April-24 C++ Not Return
5. Gauri 25-July-APR-24 Java Not Return

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

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

SQL> insert into fine2 values(2,'25-August-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-August-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-August-24 10
  2. 25-August-24 10
  3. 25-April-24 10
  4. 25-August-24 10
  5. 25-April-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\_issue inti issue\_date from library20 where roll\_no=rno;
8. select sysdate-to\_date
9. select sysdate-to\_date(issue\_date)days into no\_day frm dual;
10. if(no\_day>=15 and no\_day<=30)then
11. fine2amt:no\_day\*5;
12. elseif no\_day>30then
13. elseif no\_day>30 then
14. fine2amt:=no\_day\*50;
15. end if;
16. update library20 set status='return'where roll\_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: rno number(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-August-24 10
  2. 25-August-24 10
  3. 25-April-24 10
  4. 25-August-24 10
  5. 25-April-24 10

SQL> select\*from library20;

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

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* 1. Sarthak 10-August-24 DBMS Return
  2. Raj 11-August-24 Paython Return
  3. Sakshi 15-April-24 Java Return
  4. Pooja 20-April-24 C++ Not Return
  5. Gauri 25-July-24 Java Not Return