mmcoe@mmcoe-System-Product-Name:~$ sudo service oracle-xe start

mmcoe@mmcoe-System-Product-Name:~$ sqlplus

SQL\*Plus: Release 11.2.0.2.0 Production on Mon Aug 7 15:31:00 2023

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Enter user-name: mmcoe

Enter password:

Connected to:

Oracle Database 11g Express Edition Release 11.2.0.2.0 - 64bit Production

**SQL> create table borrower(rollno number(5), name varchar2(20), date\_of\_issue date,** **book\_name varchar2(20), status varchar2(5));**

Table created.

**SQL> create table fine(rollno number(5), date1 date, amount number(10));**

Table created.

**SQL> select \* from tab;**

TNAME TABTYPE CLUSTERID

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

BORROWER   TABLE

FINE       TABLE

**SQL> insert into borrower values (1, 'Prajakta', '05-08-2023', 'DBMS', 'I');**

1 row created.

**SQL> insert into borrower values (2, 'Nirmal', '21-07-2023', 'TOC', 'I');**

1 row created.

**SQL> insert into borrower values (3, 'Neeraj', '01-07-2023', 'IoT', 'I');**

1 row created.

**SQL> declare**

**rno number(3) := &rno;**

**bname varchar2(30):='&bname';**

**no\_of\_days number(5);**

**issue\_date date;**

**famnt number(10):=0;**

**begin**

**select date\_of\_issue into issue\_date from borrower where rollno = rno;**

**select sysdate-to\_date(issue\_date) days into no\_of\_days from dual;**

**if (no\_of\_days > 15 and no\_of\_days < 30) then**

**famnt := no\_of\_days \* 5;**

**elsif no\_of\_days > 30 then**

**famnt := 15 \* 5 + (no\_of\_days - 30) \* 50;**

**end if;**

**update borrower set status='R' where rollno = rno;**

**if(famnt > 0) then**

**insert into fine values (rno, sysdate, famnt);**

**end if;**

**exception**

**when no\_data\_found then**

**dbms\_output.put\_line('Record not found!');**

**end;**

**/**

Enter value for rno: 1

old   2: rno number(3) := &rno;

new   2: rno number(3) := 1;

Enter value for bname: DBMS

old   3: bname varchar2(30):='&bname';

new   3: bname varchar2(30):='DBMS';

PL/SQL procedure successfully completed.

**SQL> select \* from borrower;**

ROLLNO NAME  DATE\_OF\_ISSUE BOOK\_NAME STATUS

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

1 Prajakta   05-08-23 DBMS     R

2 Nirmal   21-07-23 TOC     I

3 Neeraj   01-07-23 IoT     I

**SQL> declare**

**rno number(3) := &rno;**

**bname varchar2(30):='&bname';**

**no\_of\_days number(5);**

**issue\_date date;**

**famnt number(10):=0;**

**begin**

**select date\_of\_issue into issue\_date from borrower where rollno = rno;**

**select sysdate-to\_date(issue\_date) days into no\_of\_days from dual;**

**if (no\_of\_days > 15 and no\_of\_days < 30) then**

**famnt := no\_of\_days \* 5;**

**elsif no\_of\_days > 30 then**

**famnt := 15 \* 5 + (no\_of\_days - 30) \* 50;**

**end if;**

**update borrower set status='R' where rollno = rno;**

**if(famnt > 0) then**

**ins  2  ert into fine values (rno, sysdate, famnt);**

**end if;**

**exception**

**when no\_data\_found then**

**dbms\_output.put\_line('Record not found!');**

**end;**

**/**

Enter value for rno: 2

old   2: rno number(3) := &rno;

new   2: rno number(3) := 2;

Enter value for bname: TOC

old   3: bname varchar2(30):='&bname';

new   3: bname varchar2(30):='TOC';

PL/SQL procedure successfully completed.

**SQL> ;**

**1  declare**

**2  rno number(3) := &rno;**

**3  bname varchar2(30):='&bname';**

**4  no\_of\_days number(5);**

**5  issue\_date date;**

**6  famnt number(10):=0;**

**7  begin**

**8  select date\_of\_issue into issue\_date from borrower where rollno = rno;**

**9  select sysdate-to\_date(issue\_date) days into no\_of\_days from dual;**

**10  if (no\_of\_days > 15 and no\_of\_days < 30) then**

**11  famnt := no\_of\_days \* 5;**

**12  elsif no\_of\_days > 30 then**

**13  famnt := 15 \* 5 + (no\_of\_days - 30) \* 50;**

**14  end if;**

**15**

**16  update borrower set status='R' where rollno = rno;**

**17  if(famnt > 0) then**

**18  insert into fine values (rno, sysdate, famnt);**

**19  end if;**

**20  exception**

**21  when no\_data\_found then**

**22  dbms\_output.put\_line('Record not found!');**

**23 end;**

**24 /**

**SQL> select \* from borrower;**

ROLLNO NAME  DATE\_OF\_ISSUE BOOK\_NAME STATUS

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

1 Prajakta   05-08-23 DBMS     R

2 Nirmal   21-07-23 TOC     R

3 Neeraj   01-07-23 IoT     I

**SQL> select \* from fine;**

ROLLNO DATE1 AMOUNT

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

2 07-08-23    90

**SQL> declare**

**rno number(3) := &rno;**

**bname varchar2(30):='&bname';**

**no\_of\_days number(5);**

**issue\_date date;**

**famnt number(10):=0;**

**begin**

**select date\_of\_issue into issue\_date from borrower where rollno = rno;**

**select sysdate-to\_date(issue\_date) days   2  into no\_of\_days from dual;**

**if (no\_of\_days > 15 and no\_of\_days < 30) then**

**famnt := no\_of\_days \* 5;**

**elsif no\_of\_days > 30 then**

**famnt := 15 \* 5 + (no\_of\_days - 30) \* 50;**

**end if;**

**update borrower set status='R' where rollno = rno;**

**if(famnt > 0) then**

**3  insert into fine values (rno, sysdate, famnt);**

**end if;**

**exception**

**when no\_data\_found then**

**dbms\_output.put\_line('Record not found!');**

**end;**

**/**

Enter value for rno: 3

old   2: rno number(3) := &rno;

new   2: rno number(3) := 3;

Enter value for bname: IoT

old   3: bname varchar2(30):='&bname';

new   3: bname varchar2(30):='IoT';

PL/SQL procedure successfully completed.

**SQL> select \* from borrower;**

ROLLNO NAME  DATE\_OF\_ISSUE BOOK\_NAME STATUS

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

1 Prajakta   05-08-23 DBMS     R

2 Nirmal   21-07-23 TOC     R

3 Neeraj   01-07-23 IoT     R

**SQL> select \* from fine;**

ROLLNO DATE1 AMOUNT

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

2 07-08-23    90

3 07-08-23   475