MATHEMATICS','ISSUED');

```
Unnamed PL/SQLcode block: Use of Control structure and Exception handling
is mandatory. Suggested Problem statement: Consider Tables:
A. Borrower (Roll no, Name, Date of Issue, Name of Book, Status)
B. Fine (Roll no, Date, Amt)
1. Accept Roll no and Name of Book from user.
2. Check the number of days (from Date of Issue).
3. If days are between 15 to 30 then fine amount will be Rs 5per day.
4. If no. of days>30, per day fine will be Rs 50 per day and for days less
   than 30, Rs. 5 per day.
5. After submitting the book, status will change from I to R.
6. If condition of fine is true, then details will be stored into fine table
7. Also handles the exception by named exception handler or user define
   exception handler.
SQL> CREATE TABLE borrower(roll no NUMBER, name VARCHAR2(25), dateofissue
DATE, name_of_book VARCHAR2(30), status VARCHAR2(20));
Table created.
SQL> CREATE TABLE fine(roll_no NUMBER,date_of_return DATE,amt NUMBER);
Table created.
SOL> INSERT INTO borrower
VALUES(11, 'ANJALI', TO DATE('01-08-2023', 'DD-MM-YYYY'), 'OPERATING
SYSTEM','ISSUED');
1 row created.
SOL> INSERT INTO borrower
VALUES(12, 'HARSHADA', TO_DATE('15-10-2023', 'DD-MM-YYYY'), 'DATA
STRUCTURE','ISSUED');
1 row created.
SQL> INSERT INTO borrower
VALUES(13, 'AJAY', TO_DATE('24-08-2023', 'DD-MM-YYYY'), 'DATABASE MANAGEMENT
SYSTEM','ISSUED');
1 row created.
SQL> INSERT INTO borrower
VALUES(14, 'ABHISHEK', TO DATE('26-08-2023', 'DD-MM-YYYY'), 'COMPUTER
NETWORK','ISSUED');
1 row created.
SQL> INSERT INTO borrower
VALUES(15, 'JECITA', TO DATE('09-09-2023', 'DD-MM-YYYY'), 'DISCRETE
```

```
1 row created.
SQL> SET SERVEROUT ON
SOL> SET VERIFY OFF
SOL> DECLARE
 2 i roll no NUMBER;
 3 name_of_book VARCHAR2(25);
 4 no_of_days NUMBER;
 5 return_date DATE := TO_DATE(SYSDATE, 'DD-MM-YYYY');
 6 temp NUMBER;
 7 doi DATE;
 8 fine NUMBER;
 9 BEGIN
 10 i_roll_no := &i_roll_no;
 11 name_of_book := '&nameofbook';
 12 SELECT to_date(borrower.dateofissue, 'DD-MM-YYYY') INTO doi FROM borrower
WHERE borrower.roll no = i roll no AND borrower.name of book = name of book;
 13 no_of_days := return_date-doi;
 14 dbms_output.put_line(no_of_days);
 15 IF (no_of_days >15 AND no_of_days <=30) THEN
 16 fine := 5*no of days;
 17 ELSIF (no of days>30 ) THEN
 18 temp := no_of_days-30;
 19 fine := 150 + temp*50;
 20 END IF;
 21 dbms_output.put_line(fine);
 22 INSERT INTO fine VALUES(i roll no, return date, fine);
 23 UPDATE borrower SET status = 'RETURNED' WHERE borrower.roll no = i roll no;
 24 END;
 25
Enter value for i_roll_no: 12
Enter value for nameofbook: DATA STRUCTURE
62
1750
PL/SQL procedure successfully completed.
SQL> select * from borrower;
                             DATEOFISSUE NAME_OF_BOOK
  ROLL NO NAME
STATUS
 ______
                                  01-AUG-23
       11 ANJALI
                                                 OPERATING SYSTEM
 ISSUED
                                  15-AUG-23 DATA STRUCTURE
       12 HARSHADA
 RETURNED
       13 AJAY
                                  24-AUG-23
                                                  DATABASE MANAGEMENT
SYSTEMISSUED
```

14 ABHISHEK

ISSUED

26-AUG-23 COMPUTER NETWORK

15 JECITA 09-SEP-23 DISCRETE MATHEMATICS ISSUED

SQL> select * from fine;