**Practical No 5**

**Unnamed PL/SQL code block: Use of Control structure and Exception handling is mandatory. Write a PL/SQL block of code for the following requirements:-**

**Schema:**

**1. Borrower(Rollin, Name, DateofIssue, NameofBook, Status)**

**2. Fine(Roll\_no,Date,Amt)**

* **Accept roll\_no & name of book from user.**
* **Check the number of days (from date of issue), if days are between 15 to 30 then fine amount will be Rs 5per day.**
* **If no. of days>30, per day fine will be Rs 50 per day & for days less than 30, Rs. 5 per day.**
* **After submitting the book, status will change from I to R.**
* **If condition of fine is true, then details will be stored into fine table.**

**\*\*\*\*\*\*\*\*\*\*CREATE TABLE BORR AND FINE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**create table borrower(ROLLNO number(38) NOT NULL, NAME varchar2(20), DOI DATE, NOB varchar2(20), STATUS varchar2(20));**

**create table fine(ROLLNO number(38), DOR DATE, AMT number(38));**

**\*\*\*\*\*\*\*\*\*\*INSERT RECORD IN BORR TABLE\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**insert into borrower values (1,'shyam',to\_date('20210625','yyyymmdd'), 'CN','I');**

**insert into borrower values (2,'ram',to\_date('20210601','yyyymmdd'), 'dbms','I');**

**insert into borrower values (3,'geeta',to\_date('20210615','yyyymmdd'), 'dbms','I');**

**insert into borrower values (4,'seeta',to\_date('20210501','yyyymmdd'), 'SEPM','I');**

**insert into borr values (5,'rahul',to\_date('20180701','yyyymmdd'), 'SEPM','I');**

**insert into borr values (6,'ganesh',to\_date('20180619','yyyymmdd'), 'SEPM','I');**

**\*\*\*\*\*\*\*\*\*\*\*\*CREATE PROCEDURE BOOK\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**create or replace procedure book(r in number)**

**as**

**c number;**

**begin**

**select to\_number(trunc(sysdate-doi)) into c from Borrower where rollno=r;**

**if c >=15 and c<=30 then**

**c:=c-15;**

**insert into fine values (r,sysdate,'');**

**update fine set amt=c\*5 where rollno=r;**

**elsif c>30 then**

**c:=c-30;**

**insert into fine values (r,sysdate,'');**

**update fine set amt=(c\*50)+75 where rollno=r;**

**end if;**

**update Borrower set status='R' where rollno=r;**

**EXCEPTION**

**WHEN no\_data\_found THEN**

**dbms\_output.put\_line('No such Rollno !');**

**end;**

**/**

**\*\*\*\*\*For Execute Procedure\*\*\*\*\*\*\*\***

**Execute book(6);**

**select \* from fine;**

**ROLLNO DOR AMT**

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**6 19-JUL-18 75**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\***

**select \* from borr;**

**ROLLNO NAME DOI NOB STATUS**

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**3 seeta 17-AUG-17 SEPM I**

**5 rahul 01-JUL-18 SEPM R**

**6 ganesh 19-JUN-18 SEPM R**

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