**Unnamed PL/SQLcode block: Use of Control structure and Exception handling is mandatory.**

Suggested Problem statement:

Consider Tables:

1. Borrower(Roll\_no, Name, Date of Issue, Name of Book, Status)

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

• Accept Roll\_no and 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 and 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.

Also handles the exception by named exception handler or user define exception handler

**how to inserting a date in table**

insert into borro values (4,'shyam', to\_date('20170629','yyyymmdd'), 'CN','I');

**Borrower(rollno, name, DOI, BookName, status)**

**Fine(rollno, date, amt)**

SQL> create or replace procedure book(r in number)

2 as

3 d Borr.doi%type;

4 c number;

5 begin

6

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

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

9 c:=c-15;

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

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

12 elsif c>30 then

13 c:=c-30;

14 dbms\_output.put\_line(c);

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

16 update fine set amt=c\*50 where rollno=r;

17 end if;

18 end;

19 /

Procedure created.

SQL> execute book(1);

PL/SQL procedure successfully completed.

SQL> set serveroutput on;

SQL> select \* from fine;

ROLLNO DOR AMT

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create or replace procedure book(r in number)

as

c number;

begin

select to\_number(trunc(sysdate-doi)) into c from Borr 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 Borr set status='R' where rollno=r;

EXCEPTION

WHEN no\_data\_found THEN

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

end;