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

Suggested Problem statement:

Consider Tables:

1. Borrower(Roll\_no, Name, DateofIssue, NameofBook, Status)

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

* Accept Roll\_no and NameofBook 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.

**Delimiter //**

**create procedure BookFine(roll\_new integer,book\_name varchar(30))**

**begin**

**declare X integer;**

**DECLARE CONTINUE HANDLER FOR NOT FOUND**

**begin**

**select CONCAT('ROLLNO', roll\_new, ' NOT FOUND') as NoRecord;**

**end;**

**select datediff(curdate(),DateofIssue) into X from Borrower where Rollno=roll\_new;**

**if (X>15 && X<30) then**

**insert into Fine values(roll\_new,curdate(),(X\*5));**

**end if;**

**if (X>30) then**

**insert into Fine values(roll\_new,curdate(),(X\*50));**

**end if;**

**update Borrower set status='R' where Rollno=roll\_new;**

**end;**

**//**

**Delimiter ;**

Save above program with extension .sql(as4.sql)

How to run:

1. Source as4.sql;
2. Call **BookFine(1,”DBMS”);**
3. **Select \* from Fine**