Assignment NO :- 4

* Title :- Unnamed PL/SQL code block
use of control structure and Execution
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 5
per day. are between 15 to 30 then
fine amount will be Rs

* 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 back, status
will change from I to R.

* If condition of fine is true, then
details will be stored into fine tables
from the problem statement for
writing PL/SQL block inline with above
statement.

* **objective :-**
  To develop PL/SQL block for Librar
  management System.

* **Outcomes :-**
  - Student will be able to understa
    the concept of PL/SQL Block
  - Student will be able to understa
    the PL/SQL Block operation and exec
    handling.

* **Requirement :-**

  Software → MySQL

* **Theory →**
  A stored procedure is a segment
  declarative SQL statements stored
  inside the database catlog. A stored
  procedure can be invoked by trig
  other stored procedures, and applica
  such as Java, Python, PHP

fig - stored Procedure

```
Get All Products
     APP A

Get All Products
     APP B

Get All Products
     APP C.
```

```
Create Procedure
GET ALL Products()
BEGIN
SELECT * PROM
   Products;
END.
```

A stored procedure that calls itself is known as a recursive stored procedure. Most database management systems support recursive stored procedures. However MySQL does not support it very well. You should check your version of MySQL database before implementing recursive stored procedure in MySQL.

* Procedure → A procedure is a sub program that perform a specific action or task.

- Procedure has two Parts
1) The procedure specification.
2) The procedure body.

Conclusion →

In the above practical we have sucessfully created and executed the procedure. and developed PL/SQL block for library management system