**Practical no-4**

**Write a PL/SQL Block of code for: a) Borrower(Rollin, Name, DateofIssue, NameofBook, Status) b) Fine(Roll\_no, Date, Amt) Calculate the fine for a book by accessing the borrower’s information.**

**Create table -**

create table borrower(

rollno number(5),

name varchar2(20),

dateofissue date,

nameofbook varchar2(20),

status varchar2(20)

);

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insert into borrower values(1,'Sanket','20-Sep-2022','PLSQL','I');

insert into borrower values(2,'Mayur','30-Aug-2022','MYSQl','I');

insert into borrower values(6,'Prachi','10-Sep-2022','DBMS','R');

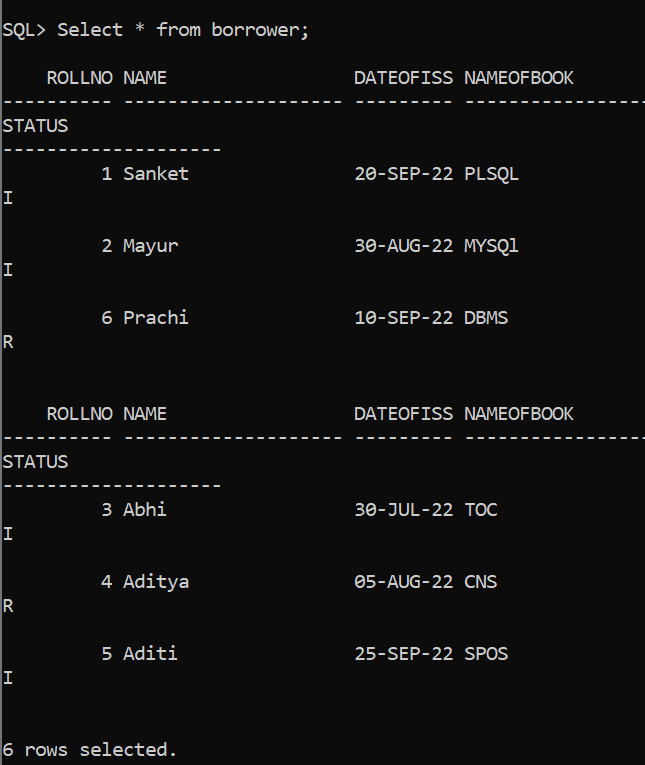
insert into borrower values(3,'Abhi','30-Jul-2022','TOC','I');

insert into borrower values(4,'Aditya','05-Aug-2022','CNS','R');

insert into borrower values(5,'Aditi','25-Sep-2022','SPOS','I');

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Select \* from borrower;



**create table-**

create table fine(

rno number(10),

sdate date,

fineamount number(20)

);

Set Serveroutput on;

**Create Procedure –**

declare

roll number;

name varchar(20);

doissue DATE;

doreturn DATE;

name\_book varchar(20);

bstatus varchar(3);

day number(3);

fine\_amount number(10):=0;

ex\_invalid\_id EXCEPTION;

BEGIN

roll:=&roll;

name\_book := '&name\_book';

IF roll <= 0 THEN

RAISE ex\_invalid\_id;

END IF;

select dateofissue,status INTO doissue,bstatus from borrower where rollno=roll;

doreturn:=SYSDATE;

day:=SYSDATE-doissue;

IF bstatus!= 'R' and day>=15 or day<=30 THEN

fine\_amount:=day\*5;

dbms\_output.put\_line('Fine Amount = '||fine\_amount);

ELSIF bstatus!= 'R' and day>30 THEN

fine\_amount:=day\*50;

dbms\_output.put\_line('Fine Amount = '||fine\_amount);

ELSE

dbms\_output.put\_line('No Fine');

END IF;

insert into fine(rno,sdate,fineamount) values(roll,SYSDATE,fine\_amount);

UPDATE borrower SET Status='R' WHERE RollNo=roll;

EXCEPTION

WHEN ex\_invalid\_id THEN

dbms\_output.put\_line('Roll Number must be greater than zero!');

END;

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select \* from fine;

