❖ Practical 5

1) Code:

```
set SERVEROUTPUT ON;
declare
    rollno NUMBER:=&rollno;
    att NUMBER;
BEGIN
    select attenddance into att from student where roll_no=rollno;
    if (att<75) then
        update student set status ='D' where roll_no=rollno;
        dbms_output.put_line('Term not granted');
    else
        update student set status ='ND' where roll_no=rollno;
        dbms_output.put_line('Term granted');
    end if;
END;
```
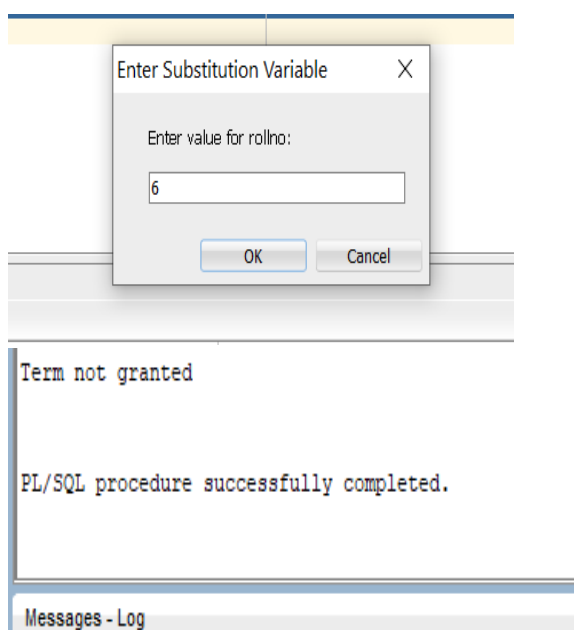
Output:

	ROLL_NO	NAME	ATTENDDANCE	STATUS
1	1	rushali	80	ND
2	2	isha	82	ND
3	3	neha	80	ND
4	4	nikita	78	ND
5	5	gayatri	80	ND
6	6	xyz	50	D

2) Code

--create table Borrower(Rollin number(5), Name varchar(30), DateofIssue date, NameofBook varchar(30), Status varchar(1));

--insert into Borrower values(11, 'Rushali', '01-08-2023', 'DBMS','I');

--insert into Borrower values(12, 'Mayuri', '04-07-2023', 'TOC','I');

--insert into Borrower values(13, 'Harshada', '01-07-2023', 'Ramayan','I');

--insert into Borrower values(14, 'Teju', '01-06-2023', 'Shivcharitra','I');

--insert into Borrower values(15, 'Aru', '01-04-2023', 'java','I');

--insert into Borrower values(16, 'Praju', '01-03-2023', 'Dm','I');

--create table Fine(Roll_no number(3), DateofReturn date, Amt number(9));

declare

   Idate date;

   Roll number(5);

   bookName varchar(30);

   CurDate Date;

   days number(5);

   amount number(9);

begin

```
Roll:=&Roll;

bookName:=&bookName;

select DateofIssue into Idate from Borrower where Rollin=Roll and
NameofBook=bookName;

select trunc(sysdate) into CurDate from dual;

days := CurDate - Idate;


if(days>=15 and days<=30) then

    amount := days*5;

    insert into Fine values(Roll, sysdate, amount);

elsif(days>30) then

    amount:=days*50;

    insert into Fine values(Roll, sysdate, amount);

end if;

update Borrower set Status='R' where Rollin=Roll and
NameofBook=bookName;

end;
```

output:

	ROLLIN	NAME	DATEOFISSUE	NAMEOFBOOK	STATUS
1	11	Rushali	01-08-23	DBMS	I
2	12	Mayuri	04-07-23	TOC	R
3	13	Harshada	01-07-23	Ramayan	I
4	14	Teju	01-06-23	Shivcharitra	I
5	15	Aru	01-04-23	java	R
6	16	Praju	01-03-23	Dm	R

	ROLL_NO	DATEOFRETURN	AMT
1	12	10-08-23	1850
2	16	10-08-23	8100
3	15	10-08-23	6550

3) Code

```sql
--create table account_master(AccNo number(5), Cust_name varchar(30),
Balance number(10));

--insert into account_master values(101, 'Jiya', 50000);

--insert into account_master values(102, 'Alia', 25000);

--insert into account_master values(103, 'Kiara', 70000);


set SERVEROUTPUT ON;
declare
    account_no number(5) := &account_no;

    operation varchar(10);

    amount number(10);

    bal number(10);

    exp_amount_exceeded exception;


begin
    select Balance into bal from account_master where AccNo = account_no;

    operation := '&operation';

    amount:=&amount;

    if(operation ='D') then

        bal := bal+amount;
```

```
    elsif(operation = 'W') then

      if (amount>bal) then

        raise exp_amount_exceeded;

      else

        bal := bal-amount;

      end if;

    end if;

    update account_master set balance=bal where AccNo=account_no;

exception

    when exp_amount_exceeded then

      dbms_output.put_line('No sufficient balance');

end;
```
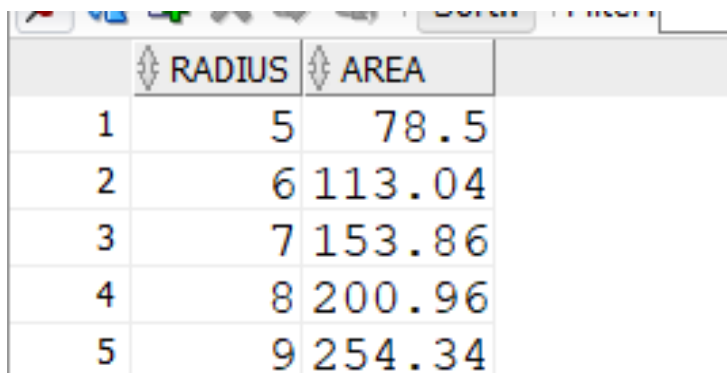
Output:

	ACCNO	CUST_NAME	BALANCE
1	101	Jiya	53000
2	102	Alia	25000
3	103	Kiara	70000
4	104	Riya	10000
5	105	Piya	35000

	ACCNO	CUST_NAME	BALANCE
1	101	Jiya	54000
2	102	Alia	22000
3	103	Kiara	70000
4	104	Riya	10000
5	105	Piya	35000

4) Code

```
--create table areas(radius number(2), area float);
declare
    r number(2);
    area float;
    pi constant float := 3.14;
begin
    r:=5;
    while r<=9
    loop
    area:=pi*power(r,2);
    insert into areas values(r, area);
    r:=r+1;
    end loop;
end;
```

Output:

	RADIUS	AREA
1	5	78.5
2	6	113.04
3	7	153.86
4	8	200.96
5	9	254.34