DBMS LAB EXAM

Barnamoy Garang,Sec-B (C4),Roll-135

1. Create both tables and insert 3 values in both of them.

Ans:

For Department table:

```
create table Department(Dept_Name varchar2(15),Dept_Id int primary key,Number_of_Staff int,Number_Branch number(10));

select * from Department;
```

OUTPUT:

DEPT_NAME	DEPT_ID	NUMBER_OF_STAFF	NUMBER_BRANCH
Finance	678	8	88765
Marketing	435	15	99680
Banking	998	10	77865

For Staff table:

```
create table Staff(Staff_Name varchar2(15),Staff_Id int primary key,Age int,DOB Date,Dept_Id int,Manager_Name varchar2(15),foreign key(Dept_Id) references Department(Dept_Id));

select * from Staff;
```

OUTPUT:

STAFF_NAME	STAFF_ID	AGE	DOB	DEPT_ID	MANAGER_NAME
Barnamoy	135	20	19-OCT-99	435	Rakesh
ShahRukh	160	30	02-NOV-89	998	Rahul
Salman	180	25	08-DEC-95	678	Ankit

3. Write a query to fetch names of those Staff who work in the branch which has the highest number of Staff.

Ans:

```
select staff_name from staff,department where number_of_staff=(select max(number_of_staff) from department) and staff.dept_id=department.dept_id;
```

OUTPUT:

4. Write a Procedure which will print 8 numbers in the AP series with a common difference of 33 and starting from your roll number.

Ans:

PROCEDURE:

```
create or replace procedure apseries(roll in int) is
roll_no int;
 k int;
 begin
  k:=7;
roll_no:=roll;
loop
exit when k<0;
 dbms_output.put_line(roll_no);
roll_no:=roll_no+33;
 k:=k-1;
end loop;
end;
/
```

EXECUTION:

```
begin
apseries(135);
end;
/
```

OUTPUT: