NAME : DHRUBA SAHA
SUBJECT : DBMS (Practical)
YEAR : B.Sc - II
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1. Database table by Loan_Records is given below

Borrower	Bank Manager	Amount
Ramesh	Sundarajan	10000.00
Suresh	Ramgopal	5000.00
Mahesh	Sundarajan	7000.00

Output of the following SQL Query

```
SELECT Count (*)
FROM (( SELECT Borrower, Bank - Manager FROM Loan - Records)
                                                    As S
INNER JOIN (SELECT Bank_ Manager , Loan_Amount FROM
Loan - Records ) AS T
```

Output

Count (*)
9

Resultant Table

Borrower	Bank Manager	Bank Manager	Amount
Mahesh	Sundarajan	Sundarajan	10000
Suresh	Ramgopal	Sundarajan	10000
Ramesh	Sundarajan	Sundarajan	10000
Mahesh	Sundarajan	Ramgopal	5000
Suresh	Ramgopal	Ramgopal	5000
Ramesh	Sundarajan	Ramgopal	5000
Mahesh	Sundarajan	Sundarajan	7000
Suresh	Ramgopal	Sundarajan	7000
Ramesh	Sundarajan	Sundarajan	7000

2. Database Table by name Student

Name	Percentage of Marks	Rank	Email_ID
Sindhu	95.33	966	abc@gmail.com
Soumya	73.52	2655	def@yahoo.com
Ravi	85.00	1856	xyz@hotmail.com

I. Retrieve the details of all students whose name contain 'a'.

```
→ SELECT  *
  FROM    Student
  WHERE   Name LIKE '%a%';
```

II. Display the name of the students who secured 4 digit rank.

```
→ SELECT  *
  FROM    Student
  WHERE   Rank BETWEEN 1000 AND 9999;
```

III. Retrieve the details of all students whose email is not in Gmail

```
→ SELECT  *
  FROM    Student
  WHERE   Email_ID NOT LIKE '%gmail%';
```

3. Given a relation Employee (ID, Name, Age, Salary, Department_No)

I. Display the name of employees whose age is less than the maximum age.

```
→ SELECT  Name
  FROM    Employee
  WHERE   Age < (SELECT MAX(Age)
                 FROM   Employee);
```

II. Count the number of employees whose Age is above 45 and work for more the one department.

```
→ SELECT  count(*)
  FROM    Employee
  WHERE   Age > 45
  GROUP BY  ID
  HAVING  Count(Department_NO) > 1;
```

III. Display the Department-wise maximum salaries.

→
```
SELECT Department_No, MAX (Salary)
FROM Employee
GROUP BY Department_No;
```
