***LAB 2 ANSWER***

**## Creating a relation/table named “The\_customer\_relation”.**

* create table The\_customer\_relation(customer\_namevarchar(20), customer\_street varchar(20), customer\_city varchar(20));

[Insert all rows]

**## Creating a relation/table named “The\_loan\_relation”.**

* create table The\_loan\_relation(loan\_numbervarchar(20), branch\_name varchar(20), amount int(10));

[Insert all rows]

**## Creating a relation/table named “The\_account\_relation”.**

* create table The\_account\_relation(account\_numbervarchar(20), branch\_name varchar(20), balance int(10));

[Insert all rows]

***1.Ans*:** SELECT branch\_name FROM The\_loan\_relation;

***2.Ans***: SELECT loan\_number from The\_loan\_relation where branch\_name="Perryridge" AND amount>300;

***3.Ans***: SELECT loan\_number from The\_loan\_relation where branch\_name="Perryridge" or branch\_name="Downtown" ;

***4.Ans***: SELECT loan\_number from the\_loan\_relation where branch\_name="Perryridge" or branch\_name="Downtown" or branch\_name="Mianus" ;

##OR - SELECT loan\_number from the\_loan\_relation where branch\_name in ("Perryridge" ,"Downtown", "Mianus") ;

***5.Ans***: SELECT customer\_name FROM the\_customer\_relation where customer\_city NOT in ("Stamford", "Princeton", "Harrison");

***6.Ans***: SELECT Max("balance"), MIN("balance"),AVG("balance") FROM the\_account\_relation;

***7.Ans***: SELECT COUNT(customer\_name) FROM the\_customer\_relation;

***8.Ans***: SELECT loan\_number fromthe\_loan\_relation where amount>=400 and amount <=800;

***9.Ans***: SELECT customer\_name from the\_customer\_relation WHERE customer\_name LIKE "G%";

***10.Ans***: SELECT customer\_name from the\_customer\_relation WHERE customer\_name LIKE "%s";

***11.Ans***: SELECT customer\_name FROM the\_customer\_relation where customer\_name like "\_o%";

* **EXTRA ,,,,,**

// **Find the names of all customer whose name contains at least one ‘’a’’.**

***Ans***: SELECT customer\_name FROM the\_customer\_relation where customer\_name like "%a%";

// **Find the names of all customer whose name contains at least two ‘’a’’.**

***Ans***: SELECT customer\_name FROM the\_customer\_relation where customer\_name like "%a%a%";

**// Find the names of all customer whose name contains at least twosuccessive ‘’a’’.**

***Ans***: SELECT customer\_name FROM the\_customer\_relation where customer\_name like "%aa%";