1. Write a program which keeps track of the number of customer objects that are created and display the count in a method called display().

2. Add the functionality of automatically generating Loan Agreement Id and Customer Id in Loan class and Customer class respectively. The series for both Id's should start from 1.

3. Create the constructor as private in the Question – 1 of Day-3 and using the static method create only 3 instances of the Employee class. When user tries to create the fourth instance, it returns null.

```
Employee emp = Employee.getInstance();
Employee emp1 = Employee.getInstance();
Employee emp2 = Employee.getInstance();
Employee emp3 = Employee.getInstance();
```

This last object 'emp3' returns null

4. Extend the above Question-3 to have only one object created (maintain Singleton). User can create as many numbers of references as required.

5. Create a class named 'PrintNumber' to print various numbers of different datatypes by creating different methods with the same name 'printn' having a parameter for each datatype.

6. Create a class User with three data members which are name, age, and address. The constructor of the class assigns default values name as "unknown", age as '0' and address as "not available". It has two methods with the same name 'setInfo'. First method has two parameters for name and age and assigns the same whereas the second method takes has three parameters which are assigned to name, age, and address respectively. Print the name, age, and address of 10 users.

7. Given three strings **S, S1**, and **S2** consisting of **N**, **M**, and **K** characters respectively, create a program to modify the string **S** by replacing all the substrings **S1** with the string **S2** in the string **S**.

8. Write a program to reverse String using the below three ways
    a. Using StringBuffer class
    b. Using StringBuilder class
    c. Using recursion

9. Make the variable – companyName of Customer class of Day3 assignment as final and then try to change it in constructor and then in method. Record your findings with the help of comments.