**Strings**

1. Analyse the following Code.
2. String s1=”hello”

String s2=”hello”

System.out.println(s1==s2)

System.out.println(s1.equals(s2));

1. String s3=new String(“hello”);

String s4=new String(“hello”);

System.out.println(s3==s4)

System.out.println(s3.equals(s4));

1. String ss1=”hello”;

ss1.toUpperCase();

System.out.println(ss1);

1. Write a program to check for a palindrome.
2. Create a class **Validator** and define the following methods:
3. validateEmail(String) – that reads an email address and validates.

An email address should contain only one ‘@ ’ and a ‘.’ Followed by either com,org or edu.

1. validatePassword(String) - that takes in password and validates.

Password should be minimum of 8 characters should contain both alphabets and digits.(atleast 4 alphabets,3 digits)

1. Write a java program that reads n names and sorts them in

alphabetical order.

Write a method sortNames to perform the same.Write a main method in a separate class to implement the same.

1. Write a java program, that stores 5 passwords in an array of strings.Reads a password from the user and checks if the user has entered the correct password and displays appropriate messages.
2. Create an interactive Online Text Exam application, that allows user to take an objective online test, for every correct answer 1 mark is assigned.

User can review the question and change his answer after reading all the questions or can quit to see his score.