**Strings in Java–Assignment**

Question 1: -**What is mutable String in java explain with example ?**

Ans: -The mutable objects are objects whose value can be changed after initialization. We can change the object's values, such as field and states, after the object is created.

**For Example:-** StringBuilder,StringBuffer.

package hello;

public class mutable {

public static void main(String args[]) {

StringBuffer strb=new StringBuffer("Welcome to");

strb.append("PwSkill");

System.out.println(strb);

}

}

Question 2: -**WAP to reverse a String .**

**input=”PWSKILL”.**

Ans: -

**package** hello;

**public** **class** iteratingArray {

**public** **static** **void** main(String[] args) {

String str = "PWSKILL";

**char** ch[]=str.toCharArray();

**for**(**int** i=ch.length-1;i>=0;i--) {

System.***out***.print(ch[i]);

}

}

}

Question 3: -**WAP to reverse a sentence while preserving the position.**

Input:-”Think Twice”

Ans: -

**package** hello;

**public** **class** reverse\_String{

**public** **static** **void** main(String[] args) {

String str = "Think Twice";

String str1 = " ";

String str\_arr[] = str.split(" ");

**for** (String element : str\_arr) {

**for** (**int** i = element.length() - 1; i >= 0; i--) {

str1 = str1 + element.charAt(i);

}

str1 = str1 + " ";

}

System.***out***.println("after reverse:="+str1);

}

}

Question 4: -**WAP to sort a String Alphabetically.**

Ans: -

**package** hello;

**import** java.util.Arrays;

**import** java.util.Scanner;

**public** **class** sort\_alphabet {

**public** **static** **void** main(String[] args) {

Scanner sc = **new** Scanner(System.***in***);

System.***out***.println("Enter a string value: ");

String str = sc.nextLine();

**char** charArray[] = str.toCharArray();

Arrays.*sort*(charArray);

System.***out***.println(**new** String(charArray));

}

}