



Loop Question and Answer

For Loop

Q1. Write a Java program to reverse string without using slicing.

Sample TestCase:

Input:

Pentagon Space

Output:

ecapS nogatneP

```
In [ ]: import java.util.Scanner;

public class ReverseString {
    public static void main(String args[])
    {
        String s;
        Scanner sc=new Scanner(System.in);
        String txt = "Pentagon Space";
        System.out.print("After reverse string is: ");
        for(int i=txt.length();i>0;--i)
        {
            System.out.print(txt.charAt(i-1));
        }
    }
}
```

Q2. Write a Java program to reverse strating 5 index from string without using slicing.

Sample TestCase:

Input:

Pentagon Space

Output:

gatnePon Space

```
In [ ]: public class ReverseString {
        class scratch{
            public static void main(String[] args) {
                String hey = "Pentagon Space";
                String hh = hey.substring(0, 8);
                String h2 = hey.substring(8,14);
                String x = "";
                for(int i=hh.length();i>0;--i)
                {
                    x += hh.charAt(i-1);
                }

                System.out.println( x + h2 );
                // prints Hello;
            }
        }
    }
}
```

Q3. Write a Java program to remove duplicate values from string.

Sample TestCase:

Input:

Pentagon Space

Output:

Pentago Spc

```
In [ ]: public class Duplicate {
        static String st="Pentagon Space";
        static String st1="";
        public static void main(String[] args) {
            for (int i = 0; i < st.length(); i++) {
                String ff = String.valueOf(st.charAt(i));
                if (!st1.contains(ff)) {
                    st1 = st1 + st.charAt(i);
                }
            }
            System.out.println(st1);
        }
    }
}
```

While Loop

Q4. Write a Java program to reverse string without using slicing.

Sample TestCase:

Input:

Pentagon Space

Output:

ecapS nogatneP

```
In [ ]: public class ReverseString {
        public static void main(String args[]){

            Scanner in =new Scanner(System.in);
            String str, rev = "";

            System.out.println("Enter a String");
            str = in.nextLine();
            int l = str.length()-1;

            while(l >= 0){
                rev = rev + str.charAt(l--);
            }
            System.out.println("Reversed String: "+rev);
        }
    }
```

Q5. Write a Java program to reverse last 5 index from string without using slicing.

Sample TestCase:

Input:

Pentagon Space

Output:

ecapPentagon S

```
In [ ]: public class ReverseString{
        public static void main(String[] args) {
            String hey = "Pentagon Space";
            String x = "";
            String m = "";
            int l = hey.length();
            int y = 0;
            while(y<l){
                if (y<=9) {
                    x = x + hey.charAt(y);
                    y++;
                }else if (y>9) {
                    m = m + hey.charAt(y);
                    y++;
                }
            }
            StringBuffer sbr = new StringBuffer(m);
            sbr.reverse();
            System.out.println("Reversed String: "+sbr + x);
        }
    }
```

Q6. Write a Java program to remove duplicate values from string.

Sample TestCase:

Input:

Pentagon Space

Output:

Pentago Spc

```
In [ ]: public class Duplicate {
        static String st="Pentagon Space";
        static String st1="";
        public static void main(String[] args) {
            for (int i = 0; i < st.length(); i++) {
                String ff = String.valueOf(st.charAt(i));
                if (!st1.contains(ff)) {
                    st1 = st1 + st.charAt(i);
                }
            }
            System.out.println(st1);
        }
    }
```