

String

Q1. Write a Java program to find sum of two string and calculate the length of a final string.

Sample TestCase:

input:

```
x = 'Hello'
y = ' Pentagon'
```

output:

```
13
```

```
In [ ]: import java.util.*;
class Bonus {
    public static void main(String[] arg) {
        String x = "Hello";
        String y = " Pentagon";
        String str = (x+y).replaceAll("\\s", "");
        System.out.println(str.length());
    }
}
```

Q2. Write a Java program to print that slice of string.

Sample TestCase:

Input:

```
x = Hello Pentagon
n1 = 1
n2 = 4
```

Output:

```
ello
```

```
In [ ]: import java.util.*;
class Bonus {
    public static void main(String args[]){
        String s1="Hello Pentagon";
        int x= 1;
        int y = 4;
        System.out.println(s1.substring(x,y+1));
    }
}
```

Q3. Write a Java program to print the first character of the string.

Sample TestCase:

Input:

```
Hello Pentagone
```

Output:

```
H
```

```
In [ ]: import java.util.*;
class Bonus {
    public static void main(String args[]){
        String s1="Hello Pentagon";

        System.out.println(s1.charAt(0));
    }
}
```

Q4. Write a Java program to print the last character of the string.

Sample TestCase:

Input:

Hello Pentagone

Output:

e

```
In [ ]: import java.util.*;
class Bonus {
    public static void main(String args[]){
        String s1="Hello Pentagon";
        int n = s1.length();

        System.out.println(s1.charAt(n - 1));
    }
}
```

Q5. Write a Java program to print the string in which all the case-based characters have had their case swapped.

Sample TestCase:

Input:

Hello pENTAGON sPACE

Output:

hELLO Pentagon Space

```
In [ ]: class swapcase {
    public static void main(String []args){
        char c = 0;
        String str = "Hello pENTAGON sPACE";
        int len = str.length();
        StringBuffer strBuffer = new StringBuffer(len);
        for (int i = 0; i < len; i++) {
            c = str.charAt(i);
            if (Character.isUpperCase(c)) {
                c = Character.toLowerCase(c);
            } else if (Character.isLowerCase(c)) {
                c = Character.toUpperCase(c);
            }
            strBuffer.append(c);
        }
        System.out.println("Converting case: "+strBuffer.toString());
    }
}
```

Q6. Write a Java program to print the min alphabetical character from the string.

Sample TestCase:

Input:

HELLO PENTAGON SPACE

Output:

A

In []:

```
class GFG
{
    static void printMinIndexChar(String str, String patt)
    {
        int minIndex = Integer.MAX_VALUE;

        int m = str.length();
        int n = patt.length();

        for (int i = 0; i < n; i++) {
            for (int j = 0; j < m; j++) {
                if (patt.charAt(i) == str.charAt(j) && j < minIndex) {
                    minIndex = j;
                    break;
                }
            }
        }

        if (minIndex != Integer.MAX_VALUE)
            System.out.println("Minimum Index Character = " +
                               str.charAt(minIndex));
        else
            System.out.println("No character present");
    }

    public static void main(String[] args)
    {
        String str = "HELLO PENTAGON SPACE";
        String patt = "set";
        printMinIndexChar(str, patt);
    }
}
```