

# String Level 1

## Sol 1.

```
/*
 * Ques1:
 * WAP to accept a String from User and Display it Back on Screen
 */

import java.util.*;
import java.lang.*;
import java.io.*;

public class Ques1 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        System.out.println(str);
    }
}
```

## Sol 2.

```
/*
 * 2. WAP to accept the First name , Middle Name and Last Name of a person and
display full name
 * and Short Name (eq- Amar Kumar Singh- A.K.S)
 */

import java.util.*;

public class Ques2 {

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

```

Scanner sc = new Scanner(System.in);
String fname = sc.nextLine();
String midname = sc.nextLine();
String lname = sc.nextLine();

System.out.println(fname + " " + midname + " " + lname);
System.out.println(fname.charAt(0) + "." + midname.charAt(0) + "." +
lname.charAt(0));
    }

}

```

## Sol . 3

```

/*
 * 3. WAP to accept a String and Count number of Capital letters present in it.
 *      (eq- ComPuter - 2)
 */

import java.util.*;
import java.lang.*;
public class Ques3 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String string = sc.nextLine();
        int count = 0;
        for(int i = 0; i < string.length(); i++){
            if(Character.isUpperCase(string.charAt(i)))
                count++;
        }

        System.out.println(count);
    }

}

```

## Sol 4.

```
/*
 * 4. WAP to accept a string and count number of Vowels present in it
 */

import java.util.Scanner;

public class Ques4 {

    public static void main(String[] args) {

        int count = 0;
        System.out.println("Enter:");
        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        for (int i = 0; i < str.length(); i++) {
            char ch = str.charAt(i);
            if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u' || ch
== ' ') {
                count++;
            }
        }
        System.out.println(count);
    }

}
```

## Sol 5.

```
//5.

WAP to
accept
a
string
and
count
number
of
```

Words  
Present  
in  
it.(eq-  
Amar  
Singh--  
2)

```
package LogicBuilding;

import java.util.Scanner;

public class Ques5 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();
        String[] arr = str.split(" ");
        System.out.println(arr.length);

    }

}
```

## Sol 6.

```
/*
 * 6. WAP of Java String Comparison 2 String
 */

import java.util.Scanner;

public class Ques6 {
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String s1 = sc.nextLine();
        String s2 = sc.nextLine();
```

```

        if(s1.equalsIgnoreCase(s2))
            System.out.println("Strings are Equal");
        else
            System.out.println("Strings are Not Equal");
    }
}

```

## Sol 7.

```

/*
 * 7. WAP to accept a day name and display the Day number.(eq- Monday --1)
 */

import java.util.Scanner;

public class Ques7 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        switch(str)
        {
            case "Monday":
                System.out.println(str+":1");
                break;
            case "Tuesday":
                System.out.println(str+":2");
                break;
            case "Wednesday":
                System.out.println(str+":3");
                break;
            case "Thursday":
                System.out.println(str+":4");
                break;
            case "Friday":
                System.out.println(str+":5");
                break;
            case "Saturday":

```

```

        System.out.println(str+"6");
        break;
    case "Sunday":
        System.out.println(str+"7");
        break;
    }
}

}

```

## Sol 8.

```

/*
 * 8. WAP to accept a String and Convert the case of each alphabet present in
it.(eq- JaVa--jAvA)
 */

import java.util.Scanner;

public class Ques8 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();
        StringBuffer newStr = new StringBuffer(str);

        int ln = str.length();

        for (int i = 0; i < ln; i++) {
            if (Character.isLowerCase(str.charAt(i))) {

                newStr.setCharAt(i, Character.toUpperCase(str.charAt(i)));
            } else if (Character.isUpperCase(str.charAt(i))) {

                newStr.setCharAt(i, Character.toLowerCase(str.charAt(i)));
            }
        }
        System.out.println(newStr);
    }
}

```

```
    }  
}
```

## Sol 9.

```
/*  
9.      WAP to accept word and check if it is palindrome  
*/  
  
import java.util.Scanner;  
  
public class Ques9 {  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
        String str = sc.nextLine();  
        int l = 0;  
        int n = str.length() - 1;  
  
        // Keep comparing characters while they are same  
        while (n > l) {  
            if (str.charAt(l++) != str.charAt(n--)) {  
                System.out.println("String is not Palindrome");  
                return;  
            }  
        }  
        System.out.println("String is Palindrome");  
    }  
  
}
```

## Sol 10.

```
/*  
10.     WAP of SubString (AMAR SINGH--- R SINGH)  
*/
```

```

import java.util.Scanner;

public class Ques10 {
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        int len = str.length();

        String sub = str.substring(3, len);
        System.out.println(sub);
    }
}

```

## Sol 11.

```

import
java.util.Scanner;

public class Ques11 {

    static boolean isVowel(char c){
        return (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c ==
'U'
                || c == 'a' || c == 'e' || c == 'i' || c == 'o' || c
== 'u');
    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();
        int index = -1;

        for(int i = 0; i < str.length(); i++){
            if(isVowel(str.charAt(i))){
                index = i;
            }
        }
    }
}

```



```

        break;
    }
}

if (index == -1)
    System.out.println("PigLatin is not possible");

    System.out.println(str.substring(index) + str.substring(0,
index)+ "ay");
}

}

```

## Sol 12.

```

import
java.util.Scanner;

public class Ques12 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        if (str.startsWith("Mr")) {
            System.out.println("Male");
        } else if (str.startsWith("Miss")) {
            System.out.println("Female");
        } else if (str.startsWith("Mrs")) {
            System.out.println("Married Female");
        } else if (str.endsWith("Kumari")) {
            System.out.println("Female");
        } else {
            System.out.println("Cannot Determine");
        }
    }
}

```

```
}
```

## Sol 13.

```
import
java.util.Scanner;

public class Ques13 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str1 = sc.nextLine();
        String str2 = sc.nextLine();

        if (str1.compareTo(str2) > 0) {
            System.out.println(str2 + " should come firstRohit");
        }

        if (str1.compareTo(str2) == 0) {
            System.out.println("Both strings are lexicographically
equal");
        } else {
            System.out.println("String are in Lexicographic Order");
        }
    }
}
```

## Sol 14.

```
import
java.util.Scanner;
```

```
/**
```

```

public class Ques14 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        str = str.replace("15 August", "26 January");
        str = str.replace("Independence", "Republic");

        System.out.println(str);
    }
}

```

## Sol 15

```

import
java.util.Scanner;

```

```

public class Ques15 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        str = str.trim();
        System.out.println(str);
    }
}

```

## Sol 16.

```

import
java.util.Scanner;

```

```

public class Ques16 {

    static boolean vowels(char c) {
        return (c == 'A' || c == 'E' || c == 'I' || c == 'O' || c ==
'U'
                || c == 'a' || c == 'e' || c == 'i' || c == 'o' || c
== 'u');
    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String[] str = new String[5];
        int i;

        for (i = 0; i < 5; i++) {
            str[i] = sc.nextLine();
        }
        System.out.println("Names that starts with vowels are ");
        for (i = 0; i < 5; i++) {
            if (vowels(str[i].charAt(0))) {
                System.out.println(str[i]);
            }
        }
    }
}

```

## Sol 17.

```

import
java.util.Scanner;

```

```

public class Ques17 {

    public static void main(String[] args) {

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

```

```

String str = sc.nextLine();
char ch,c;

for (int i = 0; i < str.length(); i++) {
    ch = str.charAt(i);
    if (Character.isLowerCase(ch)) {
        c = Character.toUpperCase(ch);
        str = str.replace(ch, c);
    }
    else if(Character.isUpperCase(ch)){
        c = Character.toLowerCase(ch);
        str = str.replace(ch, c);
    }
}
System.out.println(str);
}
}

```

## Sol 19.

```

import
java.util.Scanner;

```

```

public class Ques19 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();
        String[] arr = str.split(" ");
        String s = "";

        for (int i = 0; i < arr.length; i++) {
            arr[i] = Character.toUpperCase(arr[i].charAt(0)) +
arr[i].substring(1);

        }

        for (int i = 0; i < arr.length; i++) {
            s += arr[i] + " ";
        }
    }
}

```

```
        System.out.println(s);
    }

}
```

## Sol 20.

```
import
java.util.Scanner;

public class Ques20 {

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        if(str.length()>5)
            System.out.println(str);
        else
            System.out.println("String length is smaller than 5");
    }
}
```

## Sol 21.

```
import
java.util.Scanner;

public class Ques21 {

    static boolean checkPalindrome(String word) {

        // converting the string to lowercase inorder to avoid
        confusion like Arora, etc
    }
}
```

```

        word = word.toLowerCase();
        int n = word.length() - 1;
        for (int i = 0; i < n; i++, n--) {
            if (word.charAt(i) != word.charAt(n)) {
                return false;
            }
        }
        return true;
    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        String str = sc.nextLine();

        String[] array = str.split(" ");

        for (String word : array) {
            if (checkPalindrome(word)) {
                System.out.println(word);
            }
        }
    }
}

```

## Sol 22.

```

import
java.util.Scanner;

```

```

public class Ques22 {

    static boolean checkDouble(String word){
        int count = 0;
        for(int i = 0; i < word.length()-1; i++){
            if(word.charAt(i) == word.charAt(i+1))

```

```
        return true;
    }
    return false;
}

public static void main(String[] args) {

    Scanner sc = new Scanner(System.in);
    String str = sc.nextLine();

    String[] array = str.split(" ");

    for (String word : array) {
        if (checkDouble(word)) {
            System.out.println(word);
        }
    }
}
}
```