

## day-015-string-assignment

**CODES :** <https://github.com/irahuldutta02/pw-skills-jdsd-assignments/tree/main/day-015-string-assignment/codes>

### 1. Write a simple String program to take input from user

Question\_01.java

```
// 1. Write a simple String program to take input from user

import java.util.Scanner;
public class Question_01{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Input : ");
        String s1 = new String(sc.nextLine());
        System.out.println(s1);
    }
}
```

Output :

```
Input :
Rahul Dutta
Rahul Dutta
```

### 2. How do you concatenate two strings in Java? Give an example?

- 1) String Concatenation by + (String concatenation) operator
- 2) String Concatenation by concat() method

Question\_02.java

```
// 2. How do you concatenate two strings in Java? Give an example?

public class Question_02 {

    public static void main(String args[]) {
        System.out.println("Method 01");
        String s = "Rahul" + " " + "Dutta";
        System.out.println(s);

        System.out.println("Method 02");
        String s1 = "Sourav ";
    }
}
```

```
String s2 = "Dutta";
String s3 = s1.concat(s2);
System.out.println(s3);
}
}
```

Output :

```
Method 01
Rahul Dutta
Method 02
Sourav Dutta
```

### 3. How do you find the length of a string in Java Explain with an example?

1. Declare a variable of type String
2. Initialize the String variable to a non-null value
3. Call the Java String length() method
4. Hold the value of the String length in a variable for future use

Question\_03

```
// 3. How do you find the length of a string in Java Explain
with an example?

public class Question_03 {

    public static void main(String[] args) {
        String javaString = "Rahul Dutta";
        int stringSize = javaString.length();
        System.out.println(stringSize);
    }
}
```

Output :

11

### 4. How do you compare two strings in Java? Give an Example

1. **public boolean equals(Object another)** compares this string to the specified object.
2. **public boolean equalsIgnoreCase(String another)** compares this string to another string, ignoring case.

Question\_04.java

```
// 4. How do you compare two strings in Java? Give an Example

public class Question_04 {

    public static void main(String[] args) {

        String s1 = "Sachin";
        String s2 = "Sachin";
        String s3 = new String("Sachin");
        String s4 = "Saurav";
        System.out.println(s1.equals(s2)); //true
        System.out.println(s1.equals(s3)); //true
        System.out.println(s1.equals(s4)); //false

        String s5 = "Sachin";
        String s6 = "Sachin";
        String s7 = new String("Sachin");
        System.out.println(s5 == s6); //true (because both refer
to same instance)
        System.out.println(s5 == s7); //false (because s3 refers to
instance created in nonpool)
    }
}
```

Output :

```
true
true
false
true
false
```

**5. Write a program to find the length of the string "refrigerator".**

Question\_05.java

```
// 5. Write a program to find the length of the string
"refrigerator".

public class Question_05 {

    public static void main(String[] args) {

        String s1 = "refrigerator";
        System.out.println("Length of \"refrigerator\" is : "+
s1.length());
    }
}
```

```
}
```

Output :

```
Length of "refrigerator" is : 12
```

**6. Write a program to check if the letter 'e' is present in the word 'Umbrella'.**

Question\_06.java

```
// 6. Write a program to check if the letter 'e' is present in
the word 'Umbrella'.

public class Question_06 {
    public static void main(String[] args) {
        char c = 'e';
        String s1 = "Umbrella";

        for(int i = 0; i < s1.length(); i++) {
            if(s1.charAt(i) == c) {
                System.out.println(c + " is present in " + s1);
                break;
            }
        }
    }
}
```

Output :

```
e is present in Umbrella
```

**7. Write a program to delete all consonants from the string "Hello, have a good day"**

Question\_07.java

```
// 7. Write a program to delete all consonants from the string
"Hello, have a good day"

public class Question_07 {

    public static void main(String args[]) {
        String s = "Hello, have a good day";
        String s1 = "";
        for (int i = 0; i < s.length(); i++) {
```

```

        if (
            s.charAt(i) == 'a' ||
            s.charAt(i) == 'A' ||
            s.charAt(i) == 'e' ||
            s.charAt(i) == 'E' ||
            s.charAt(i) == 'i' ||
            s.charAt(i) == 'I' ||
            s.charAt(i) == 'o' ||
            s.charAt(i) == 'O' ||
            s.charAt(i) == 'u' ||
            s.charAt(i) == 'U' ||
            s.charAt(i) == ' '
        ) {
            s1 = s1+s.charAt(i);
        } else {
            continue;
        }
    }
    System.err.println(s1);
}
}

```

Output :

eo ae a oo a