**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 :



**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";

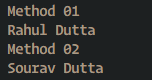
String s3 = s1.concat(s2);

System.out.println(s3);

}

}

Output :



**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 :



**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 :



**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 :



**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 :



**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 :

