String in java
Assignment

Assignment Solution

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Q1. Write a simple String program to take input from user
Ans.

import java.util.*;

class UserInputDemo1

{

public static void main(String[] args)

{

Scanner sc= new Scanner(System.in);

System.out.print("Enter a string: ");

String str= sc.nextLine();

System.out.print("You have entered: "+str);

}

}

Q2.How do you concatenate two strings in Java ? Give an example?
Ans. String concatenation forms a new String that is the combination of multiple strings. There are two ways to concatenate strings in Java:

By + (String concatenation) operator

By concat() method

Example

class TestStringConcatenation1{

 public static void main(String args[]){

```java
    String s="Vaishnavi"+" Gupta";

    System.out.println(s);

}
```
   1. }

Q3. How do you find the length of a string in Java Explain with an example?

Ans. The Java String class length() method finds the length of a string. The length of the Java string is the same as the Unicode code units of the string.

Example

```java
   class Demo
{
    public static void main(String args[]){
      String s1="My name is ";

      System.out.println("string length is: "+s1.length())

}
}
```


Q4. How do you compare two Strings in java ? give an Example

Ans. We can compare String in Java on the basis of content and reference.

It is used in authentication (by equals() method), sorting (by compareTo() method), reference matching (by == operator) etc.

There are three ways to compare String in Java:

   1. **By Using equals() Method**

   2. **By Using == Operator**

   3. **By compareTo() Method**

Example

```java
 class Comparison1{
 public static void main(String args[]){
```

```java
    String s1="Gunu";

    String s2="Gunnu";

    System.out.println(s1.equals(s2));

    }

}
```

Q5. WAP to find length of the string "refrigerator".
Ans.

```java
class Demo
{
    public static void main(String args[]){
        String s1="refrigerator ";

        System.out.println("string length is: "+s1.length())

}

}
```

Q6. WAP to check if the letter 'e 'is present   in the word 'Umbrella'.
Ans.

```java
class Check
{
    public static void main(String[] args)
    {
        String str = "Umbrella";
        boolean pre = false;
        for(int i = 0;i<str.length();i++)
        {
            if(str.charAt(i) == 'e')
            {
                pre=true;
                break;
            }
        }
        System.out.println(pre);
    }
}
```

Q7. WAP to delete all consonants from the string "Hello, have a good day ".

Ans.

```java
public class RemovingConstants {
    public static void main( String args[] ) {
        String input = "Hello, have a good day";
        String re = "([^aeiouAEIOU0-9\W]+)";
        String result = input.replaceAll(re, "");
        System.out.println("Result: "+result);
    }
}
```