

**1) Write a simple String program to input from the user?**

**Ans:** `import java.util.Scanner;`  
`public class stringuserIP`

```
{  
    public static void main(String[] args)  
    {  
        Scanner scan = new Scanner(System.in);  
        System.out.print("Enter a string: ");  
        String userInput = scan.nextLine();  
        System.out.println("you entered: "+ userInput);  
        scan.close();  
    }  
}
```

**2) How do you concatenate two strings in java? Give an example.**

**Ans:** Concatenation is the process of combining two or more strings into a single string. This can be done in multiple ways, including using the "+" operator or the concat() method.

Example Program:

```
public class concatenatetwostrings  
{  
    public static void main(String[] args)  
    {  
        String s1= new String("Hi!");  
        s1=s1.concat(" how are you?");  
        System.out.println(s1);  
    }  
}
```

**OUTPUT:** Hi! how are you?

**3) How do you find the length of a string in a java example with an example?**

**Ans:** To find length of a string in java we use length()  
It returns the no of characters present in the String.

Example Program:

```
public class lengthOfstring  
{  
    public static void main(String[] args)  
    {  
        String s1 = "how are you today?";  
        System.out.println(s1.length());  
    }  
}
```

**4) How do you compare two strings in java? Give an example.**

**Ans:** To compare 2 Strings in java we use following approach

- a) == operator → It compares the reference of the Object
- b) equals() → It compares the contents of two objects.

Example :

```
String s1 = new String("ubaid");
String s2 = new String("ubaid");
System.out.println(s1==s2); //false
System.out.println(s1.equals(s2)); //true
```

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

**Ans:** `public class lengthOfstring`

```
{
    public static void main(String[] args)
    {
        String s1 = "refrigerator";
        System.out.println(s1.length());
    }
}
```

**OUTPUT:** 12

**6) Write a program to check whether the letter 'e' is present in the word "umbrella".**

**Ans:** `public class checkletter`

```
{
    public static void main(String[] args)
    {
        String s1 = "umbrella";
        System.out.println(s1.contains("e"));
    }
}
```

**OUTPUT :** true

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

**Ans:**

```
public class deleteconstraints
{
    public static void main(String[] args)
    {
        String s1 = "Hello, have a good day";
```

```
System.out.print(s1.substring(1,2));  
System.out.print(s1.substring(4,5));  
System.out.print(s1.substring(8,9));  
System.out.print(s1.substring(10,11));  
System.out.print(s1.substring(12,13));  
System.out.print(s1.substring(15,17));  
System.out.print(s1.substring(20,21));  
System.out.println(" ");  
}  
  
}
```

**OUTPUT** : eoaeaooa