

51. compareTo().

Code:

```
public class Str1{
    public static void main(String args[]) {
        String str1 = "123456";
        String str2 = "123456789";
        String str3 = "12345";
        int result = str1.compareTo( str2 );
        System.out.println(result);
        result = str2.compareTo( str3 );
        System.out.println(result);
        result = str3.compareTo( str1 );
        System.out.println(result);
    }
}
```

Output:



```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str1.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str1
-3
4
-1
suvam@suvam-Inspiron-3543 ~/Java/string $
```

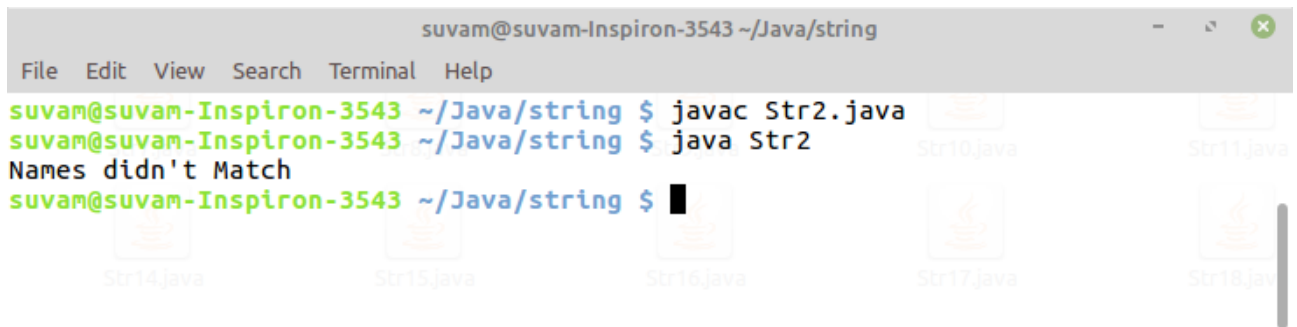
52. equals().

Code:

```
public class Str2{
    public static void main(String[] args){
        String num1 = "jpeg";
        String num2 = "mpeg";
        Boolean isMatch = false;
        isMatch = num1.equals(num2);
        if(isMatch == true){
            System.out.println("Names Matched");
        }else{
            System.out.println("Names didn't Match");
        }
    }
}
```

```
}
```

Output:



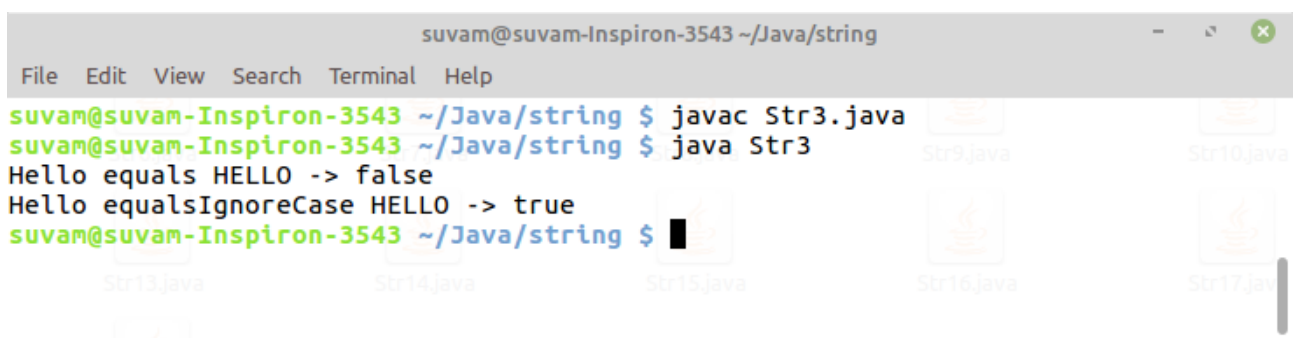
```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str2.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str2
Names didn't Match
suvam@suvam-Inspiron-3543 ~/Java/string $
```

53. equals() & equalsIgnoreCase().

Code:

```
public class Str3{
    public static void main(String args[]) {
        String s1 = "Hello";
        String s4 = "HELLO";
        System.out.println(s1 + " equals " + s4 + " -> " +
s1.equals(s4));
        System.out.println(s1 + " equalsIgnoreCase " + s4 + " ->
" + s1.equalsIgnoreCase(s4));
    }
}
```

Output:



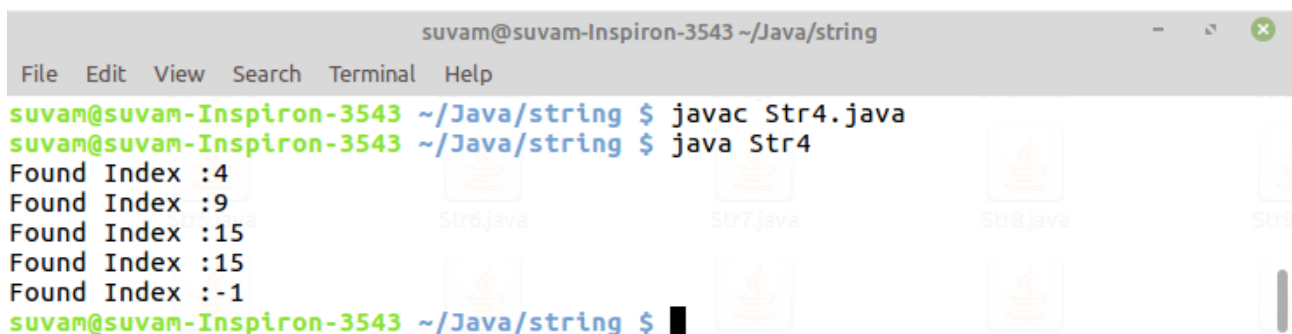
```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str3.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str3
Hello equals HELLO -> false
Hello equalsIgnoreCase HELLO -> true
suvam@suvam-Inspiron-3543 ~/Java/string $
```

54. indexOf().

Code:

```
import java.io.*;
public class Str4 {
    public static void main(String args[]) {
        String Str = new String("Welcome to JIS College");
        String SubStr1 = new String("College");
        String SubStr2 = new String("Knowledge");
        System.out.print("Found Index : " );
        System.out.println(Str.indexOf( 'o' ));
        System.out.print("Found Index : " );
        System.out.println(Str.indexOf( 'o', 5 ));
        System.out.print("Found Index : " );
        System.out.println( Str.indexOf( SubStr1 ));
        System.out.print("Found Index : " );
        System.out.println( Str.indexOf( SubStr1, 15 ));
        System.out.print("Found Index : " );
        System.out.println(Str.indexOf( SubStr2 ));
    }
}
```

Output:



```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str4.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str4
Found Index :4
Found Index :9
Found Index :15
Found Index :15
Found Index :-1
suvam@suvam-Inspiron-3543 ~/Java/string $
```

55. length().

Code:

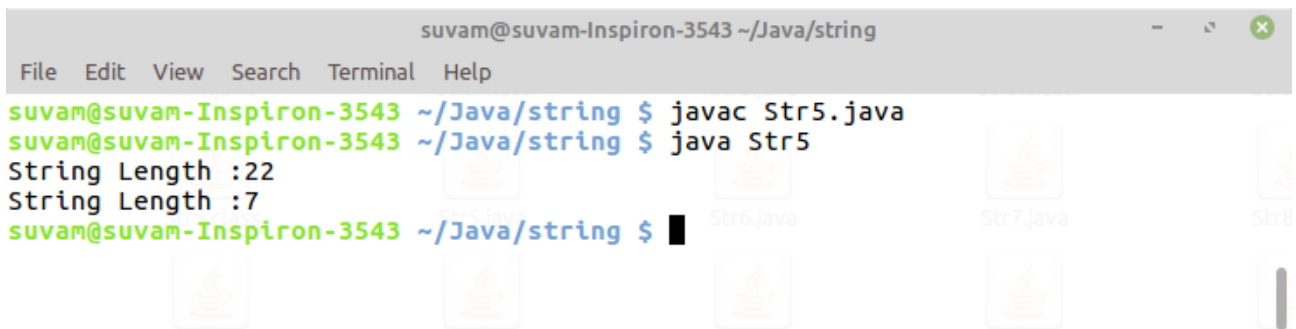
```
import java.io.*;
public class Str5{
    public static void main(String args[]){
        String Str1 = new String("Welcome to JIS College");
```

```

        String Str2 = new String("College" );
        System.out.print("String Length :" );
        System.out.println(Str1.length());
        System.out.print("String Length :" );
        System.out.println(Str2.length());
    }
}

```

Output:



```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str5.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str5
String Length :22
String Length :7
suvam@suvam-Inspiron-3543 ~/Java/string $

```

56. SubString().


Code:

```

import java.io.*;
public class Str6{
    public static void main(String args[]){
        String Str = new String("Welcome to JIS College of Engg");
        System.out.print("Return Value :" );
        System.out.println(Str.substring(10,23) );
        System.out.print("Return Value :" );
        System.out.println(Str.substring(10, 15) );
    }
}

```

Output:



```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str6.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str6
Return Value : JIS College
Return Value : JIS
suvam@suvam-Inspiron-3543 ~/Java/string $

```

57. SubString().

Code:

```
import java.io.*;
public class Str7 {
    public static void main(String[] args) {
        String password = "password123";
        char[] passwordInCharArray = password.toCharArray();
        for(char temp: passwordInCharArray){
            System.out.println(temp);
        }
    }
}
```

Output:



```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str7.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str7
p
a
s
s
w
o
r
d
1
2
3
suvam@suvam-Inspiron-3543 ~/Java/string $
```

58. toLowerCase & toUpperCase.

Code:

```
import java.io.*;
public class Str8{
    public static void main(String args[]){
        String Str = new String("Welcome to JIS College");
        System.out.print("Return Value :");
        System.out.println(Str.toLowerCase());
        System.out.println(Str.toUpperCase());
    }
}
```

Output:

```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str8.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str8
Return Value :welcome to jis college
WELCOME TO JIS COLLEGE
suvam@suvam-Inspiron-3543 ~/Java/string $
```

59. trim().

Code:

```
import java.io.*;
public class Str9{
    public static void main(String args[]){
        String Str = new String("      Welcome      ");

        System.out.print("Return Value : " );
        System.out.println(Str.trim() );
    }
}
```

Output:

```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str9.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str9
Return Value :Welcome
suvam@suvam-Inspiron-3543 ~/Java/string $
```

60. valueOf().

Code:

```
import java.io.*;
public class Str10{
    public static void main(String args[]){
```

```

double d = 102939939.939;
boolean b = true;
long l = 1232874;
char[] arr = {'a', 'b', 'c', 'd', 'e', 'f', 'g' };
System.out.println("Return Value : " + String.valueOf(d) );
System.out.println("Return Value : " + String.valueOf(b) );
System.out.println("Return Value : " + String.valueOf(l) );
System.out.println("Return Value : " +
String.valueOf(arr) );
}
}

```

Output:

```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str10.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str10
Return Value : 1.02939939939E8
Return Value : true
Return Value : 1232874
Return Value : abcdefg
suvam@suvam-Inspiron-3543 ~/Java/string $

```

61. append().

Code:

```

public class Str11 {
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("Test");
        sb.append(" String Buffer");
        System.out.println(sb);
    }
}

```

Output:

```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str11.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str11
Test String Buffer
suvam@suvam-Inspiron-3543 ~/Java/string $

```

62. capacity().

Code:

```
public class Str12{
    public static void main(String[] args) {
        StringBuffer sb = new StringBuffer("Java StringBuffer
capacity");
        System.out.println("Output :"+sb);
        int lng = sb.capacity();
        System.out.println("capacity :"+lng);
    }
}
```

Output:



```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str12.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str12
Output :Java StringBuffer capacity
capacity :42
suvam@suvam-Inspiron-3543 ~/Java/string $
```

63. delete().

Code:

```
public class Str13 {
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("abcdefghijk");
        sb.delete(3,7);
        System.out.println(sb);
    }
}
```

Output:


```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str13.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str13
abchijk
suvam@suvam-Inspiron-3543 ~/Java/string $
```

64. deleteCharAt().

Code:

```
public class Str14 {
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("abcdefghijk lmnop");
        sb.deleteCharAt(2);
        System.out.println(sb);
    }
}
```

Output:

```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str14.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str14
abdefghijk lmnop
suvam@suvam-Inspiron-3543 ~/Java/string $
```

61.

65. deleteCharAt().

Code:

```
public class Str15{
    public static void main(String[] args) {
        StringBuffer sb = new StringBuffer("Java StringBuffer
capacity");
        System.out.println("Output :"+sb);
        sb.ensureCapacity(100);
    }
}
```

```

        int lng = sb.capacity();
        System.out.println("capacity :"+lng);
    }
}

```

Output:

```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str15.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str15
Output :Java StringBuffer capacity
capacity :100
suvam@suvam-Inspiron-3543 ~/Java/string $

```

66. getChars().

Code:

```

import java.io.*;
public class Str16{
    public static void main(String args[]){
        String Str1 = new String("Welcome to JIS College");
        char[] Str2 = new char[7];

        try{
            Str1.getChars(2, 9, Str2, 0);
            System.out.print("Copied Value = " );
            System.out.println(Str2 );

        }catch( Exception e){
            System.out.println("Raised exception...");
        }
    }
}

```

Output:

```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str16.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str16
Copied Value = lcome t
suvam@suvam-Inspiron-3543 ~/Java/string $
```

67. insert().

Code:

```
public class Str17 {
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("abcdefghijk");
        sb.insert(3,"123");
        System.out.println(sb);
    }
}
```

Output:

```
suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str17.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str17
abc123defghijk
suvam@suvam-Inspiron-3543 ~/Java/string $
```

68. setCharAt().

Code:

```
public class Str18{
    public static void main(String args[]) {
        StringBuffer sb = new StringBuffer("JIS");
        sb.setCharAt(2,'N');
```

```

        System.out.println(sb);
    }
}

```

Output:



```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str18.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str18
JIN
suvam@suvam-Inspiron-3543 ~/Java/string $

```

69. setLength().

Code:

```

import java.io.*;
public class Str19{
    public static void main(String args[]){
        StringBuffer buff = new StringBuffer("JISCollege");
        System.out.println("buffer1 = " + buff);
        System.out.println("length = " + buff.length());

        buff.setLength(3);

        System.out.println("buffer2 = " + buff);
        System.out.println("length = " + buff.length());
    }
}

```

Output:



```

suvam@suvam-Inspiron-3543 ~/Java/string
File Edit View Search Terminal Help
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str19.java
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str19
buffer1 = JISCollege
length = 10
buffer2 = JIS
length = 3
suvam@suvam-Inspiron-3543 ~/Java/string $

```

70. toString().

Code:

```
public class Str20{  
    public static void main(String args[]){  
        Integer x = 5;  
        System.out.println(x.toString());  
        System.out.println(Integer.toString(12));  
    }  
}
```

Output:



```
suvam@suvam-Inspiron-3543 ~/Java/string  
File Edit View Search Terminal Help  
suvam@suvam-Inspiron-3543 ~/Java/string $ javac Str20.java  
suvam@suvam-Inspiron-3543 ~/Java/string $ java Str20  
5  
12  
suvam@suvam-Inspiron-3543 ~/Java/string $
```