



Kybele
Research
Group



Universidad
Rey Juan Carlos

IV: Strings

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Allows the creation of objects which chains of chars

```
String x, y, z;  
String myName = "Paul";
```

Basic Operators

```
x = "Móstoles";  
x = "Manuel Becerra"; // Móstoles desaparece  
y = x; // y contendrá Manuel Becerra  
x = ""; // x ahora es una cadena vacía
```

```
String x, y;  
x = "Hola ";  
y = "Mundo";  
System.out.println(x+y);  
// x.concat(y)
```



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What if we want to use quotation marks in the text chain?

```
System.out.print("El Atlético es un equipo "intenso" donde los hayan");  
// obtendríamos un ERROR de compilación
```

Escape character `\` marks the beginning of a sequence that needs a special interpretation from the compiler

<code>\t</code>	Inserts a tabulator	<code>\f</code>	Inserts a new page
<code>\b</code>	Inserts a Backspace	<code>\'</code>	Inserts an angle bracket



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int length()

- Length of the string

int indexOf(String cad)

- This method returns the index within this string of the first occurrence of the specified character or -1, if the character does not occur.

char charAt(int ind)

- This method returns the character located at the



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Boolean equals(String cad)

- This method compares this string to the specified object. The result is true if and only if the argument is not null and is a String object that represents the same sequence of characters as this object

int compareTo(String cad)

- This method compares two strings lexicographically
 - 0 if the argument is a string lexicographically equal to this string
 - < 0 if the argument is a string lexicographically greater than this string
 - > 0 if the argument is a string lexicographically less than this string.

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String replaceAll(String oldCad, String newCad)

- This method replaces each substring of this string that matches the given regular expression with the given replacement

String toLowerCase()

String toUpperCase():

- Converts all of the characters in this String to upper

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String substring(int indexInicial, int indexFinal)

- This method has two variants and returns a new string that is a substring of this string.
- The substring begins with the character at the specified index and extends to
 - the end of this string or
 - up to endIndex – 1, if the second argument is given.

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