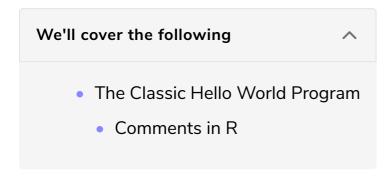
Hello World

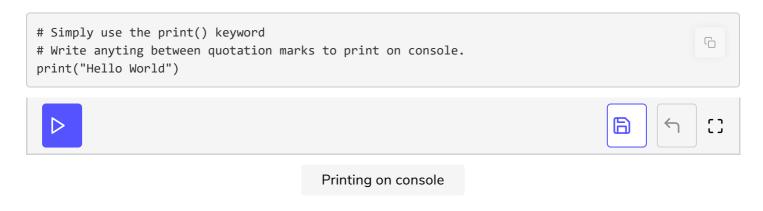
The first step to learning any language is the classic "Hello World" program.



The Classic Hello World Program

The first program we are going to write is the classic **Hello World** program.

The purpose of this program is to display the text "Hello World!" to the user. Let's begin.



A name/text followed by brackets () is called a function. We will be learning functions in a later chapter. But for now, just remember that functions are used to perform a task. For example, this print() function is performing a task, i.e., printing.

Comments in R

You might also notice other peculiar lines in the above code (Line number 1 and 2). These lines are comments and they begin with the character # . For example:

Comments are not executed by the compiler. They are ignored while executing a program. However, it is important to give comments so that the code becomes readable. Also, it helps other programmers to know exactly what is going on in the code.

The code below contains only comments:



If we don't want the quotes displayed around the text "Hello World", we can use the argument <code>quote</code>. If it is set to <code>TRUE</code> then " " quotation marks will be printed on the console, but if it is set to <code>FALSE</code> quotation marks will be suppressed.

Arguments are extra instructions that you can provide. We will learn more about it in the chapter Functions.

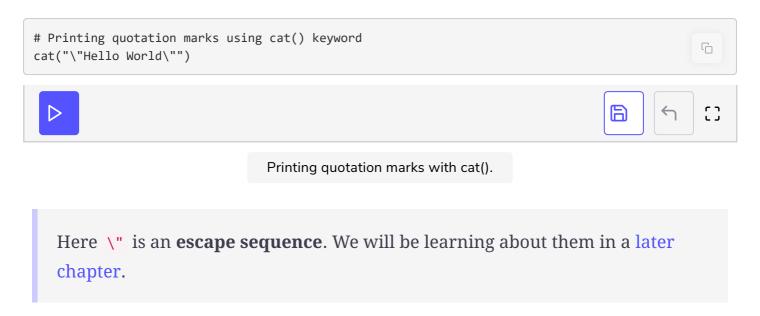


Testing the output of print() when quote parameter is set to TRUE

However, there is a twist. There is another method for printing in R; cat(). This also takes the data to print the same way print() does.



quotation marks, we will have to do so explicitly. For example:



There is another method for displaying text on the screen. However, this method is not preferred. R language is console based, so we can type any data directly into R's program and it will be displayed.

This method is not very useful for any kind of serious work, data manipulation, etc.

For example: in this code, we simply write "Hello World" and the compiler displays it on screen.



Now that we know how to display text on the screen, the next step is to learn about **variables** in R.