

Haskell Installation Doc

To Install:

All you need to begin programming in haskell are text editor(such as: notepad, sublime or vim), and haskell compiler.

We all have some sort of text editor on laptop/desktop, so just pick your favorite :). As for haskell compiler, we will use GHC, the most popular haskell compiler. The best way to get it is from Haskell website. Here is the [link](#). This is the platform which includes everything you need for haskell.

To install, just follow the link's direction according to your operating system.

Write a Hello World:

Method 1: Interactive

If you have installed the Haskell Platform, open a terminal and type **ghci** (the name of the executable of the GHC interpreter) at the command prompt. Alternatively, if you are on Windows, you may choose **WinGHCi** in the Start menu.

```
$ ghci
GHCi, version 6.12.3: http://www.haskell.org/ghc/ :? for help
Loading package base ... linking ... done.
Prelude>
```

And you are presented with a prompt. The Haskell system now attentively awaits your input.

If you've learned to program another language, your first program probably was "Hello, world!", so let's do that:

```
Prelude> "Hello, World!"
"Hello, World!"
```

The Haskell system evaluated the string, and printed the result. Or we can try a variation to print directly to standard output:

```
Prelude> putStrLn "Hello World"
Hello World
```

Method 2: Command Line:

Using a Haskell compiler, such as **GHC**, you can compile the code to a standalone executable.

Create a source file **hello.hs** containing:

```
main = putStrLn "Hello, World!"
```

And compile it with:

```
$ ghc -o hello hello.hs
```

You can then run the executable (**./hello** on Unix systems, **hello.exe** on Windows):

```
$ ./hello  
Hello, World!
```

Congratulations, you wrote your first Haskell program!!!

Reference Link:

- Haskell official website:
<https://www.haskell.org/> (you can get a taste of haskell by trying in your browser on this website, no installation needed. Just follow the tutorial on the front page)
- A great learning source:
<http://learnyouahaskell.com/chapters>
- A good start up tutorial
https://wiki.haskell.org/Haskell_in_5_steps