

# Installation Guide

## Sublime Text Editor:

To install the **Sublime** text editor, please go to the following link and download the installation file for your OS.

<https://www.sublimetext.com/3>

After installing sublime, you will have to install the package control and relevant packages into it. Please follow the following steps to do that.

1. Open sublime text editor.
2. Press Ctrl+Shift+P. This will open a dialog box on the Top center of sublime.
3. Type "Install Package Control" and press Enter key.
4. On the bottom left, it will show a message that Package Control has been installed.
5. Now you can install different packages through Package Control. To do that, press "Ctrl+Shift+P". And type "Install Package". It will open a new dialog box containing a list of packages.
6. Type Verilog and it will show various packages related to Verilog. You can install them by clicking on any package.
7. To install another package follow step 5 and 6.

## Intel Quartus Lite and Modelsim:

Please go to the following link and Download the Combined Files archive for your desired Operating System. Please note that you may need to create an account for that.

<https://fpgasoftware.intel.com/?edition=lite&platform=windows>

It is important to check that you have downloaded the Lite version, as it is a Free version and does not require any licenses. Also, the archive is around 6GB! So it may take a lot of time to download it.

After downloading the archive, please install the Quartus software. It will also install Intel Altera Edition Modelsim.

## Git Bash and GUI:

For Windows, you may also want to install git bash and its GUI client. This is optional but recommended to exchange the files and documents through git. Please go to the following link to download the client.

<https://git-scm.com/downloads>

## Github Account:

It is also recommended (not mandatory) to make a github account, because our training repository will be hosted on git. The Github account can be created with any email address and is pretty straight forward.

<https://github.com/>

## Diffuse:

Diffuse is a very useful tool to view the changes made into a particular file. It also gets integrated into the git, so you can easily view and manage the changes to your files. To download the diffuse, please go to the following link:

<http://diffuse.sourceforge.net/download.html>