

# You Can Find How to Download and Install VMD, NAMD and a Text Editor in This Tutorial

(These software are required for MAT 306)

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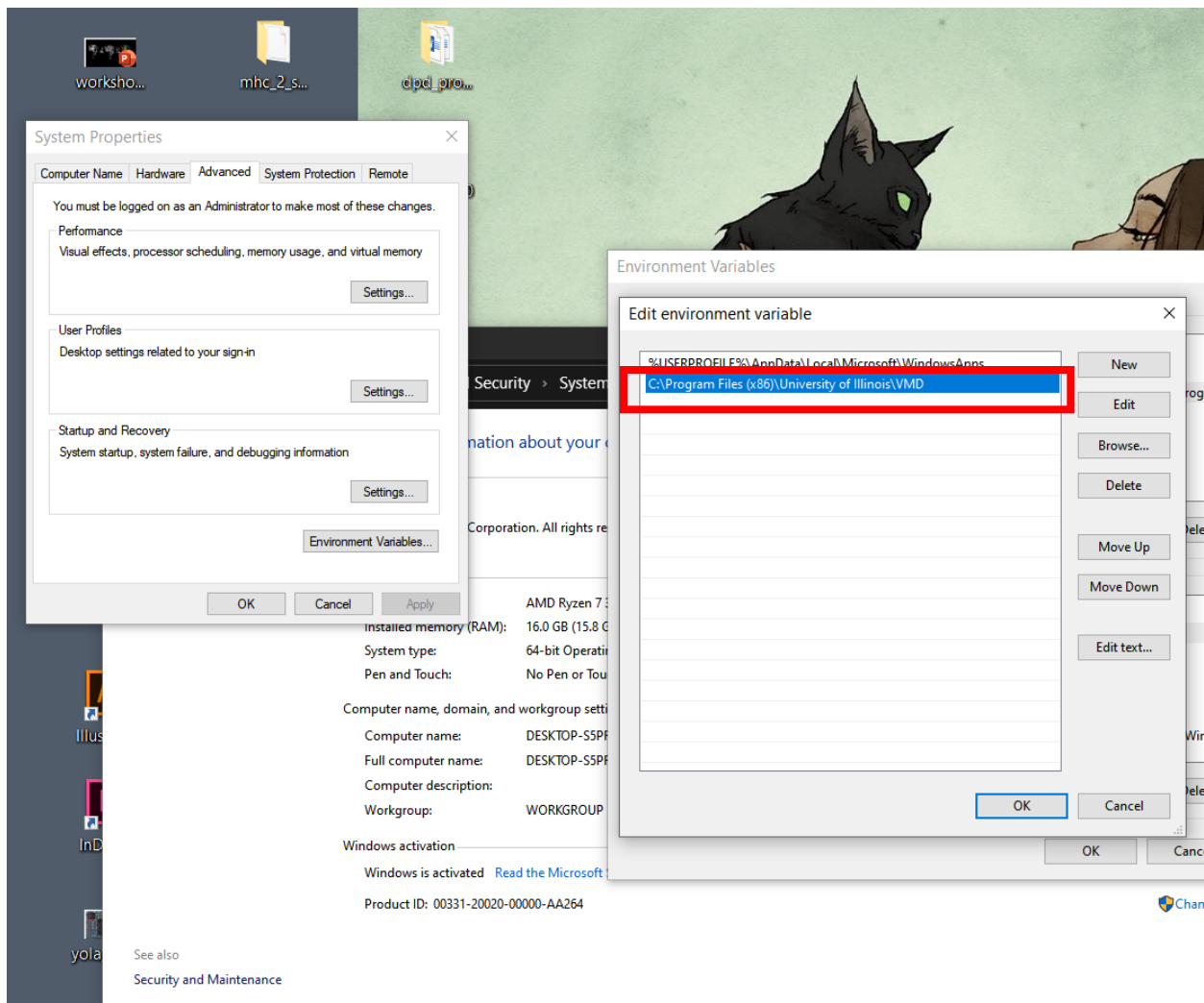
## VMD and NAMD

After downloading VMD and NAMD package to your computer, decompress the files to a directory on your computer (Please make sure your directory does not contain any special/Turkish letters and blanks, example of a directory: C:\Users\atilgan\Desktop\MAT\_306 which means my VMD and NAMD files are in a folder named MAT\_306 on my desktop)

To execute software from any “*working directory*,” by writing its name to the terminal, you should add the location of each software as “*path variables*.”

### For Windows:

In your start menu, right click on This PC>Properties>Advanced system settings>Advanced>Environment Variables then add the directory paths of VMD and NAMD to “Path” under your user variables. Please see the figure below as an example of adding VMD to “path” in Windows 10.



## For Mac:

Start up Terminal and type “cd ~/” in order to go to your home folder. Afterwards, type “ls -al” to view all the files on your home directory. If “.zshrc” named file doesn’t exist, type “touch .zshrc” to create a file named .zshrc. If it does exist or you just created one, type “open -e .zshrc” to open it in TextEdit (Or use another text editor to open and edit it). Once you open it, type the following inside .zshrc: (Change the **x** to the version you downloaded for NAMD2 and VMD)

```
export PATH=$PATH:/Applications/NAMD_2.14_MacOSX-x86_64-multicore
```

```
alias vmd='~/Applications/VMD/VMD1.9.4.app/Contents/MacOS/startup.command'
```

## **Text Editor**

In this course, you will need a text editor which will be needed to write and edit scripts which will determine the parameters for our simulations. We highly recommend Notepad++ and will be using it in this course however you are free to use a text editor such as Wordpad or any editor of your choosing if you are already familiar with another one. Notepad++ is a free software which you can download following this link. (Microsoft Word is a word processing program and should not be used as a text editor!!)

For other text editors; Sublime Text, Atom may be used.