

# VG101 — Introduction to Computer and Programming

## Lab 0 — New Semester

Instructor: Manuel

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### Goals of the lab

- Install MATLAB
- Learn about terminal and Piazza

## 1 Introduction

Haruka, Kana and Chiaki are three sisters of the Minami family[1]. One day, they met the teaching assistants of VG101 and found that, instead of watching videos, playing games and just surfing on the Internet, computers are actually far more powerful and can complete many interesting tasks. To check whether the teaching assistants are just boasting, they turn to you, who is also a beginner at computer and programming, for problems they meet in their daily life.

## 2 Install MATLAB

The Minamis chose the first tool to be MATLAB. Fortunately, instead of using the online installer, which means that you need to download the resources from MathWorks®, the Student Innovation Center[2] has provided an offline installer so that you can download all the materials at once.

You can either install 2018a or 2019a version of Matlab (2019a is the preferred version), but before the downloading process, you need to first apply for the authorization for using Matlab on product page. This page also offers you a detailed instruction on the installation process in Chinese. We would like to briefly describe the process below.

You can first click the red button to log with your jaccount if you have not logged in yet. You can then click it again to apply for the license. Then, it will redirect you to the agreement page, and after you agree with statements, you will be asked to fill a form. Please enter your **SJTU email address** when you are filling the form. After submitting the form, the authorization will be offered to you in around **30 minutes**. If you do not have a MathWorks account before, this process will automatically generate a MathWorks account with your **SJTU email address**, and you can then log into the MathWorks with this account to revise your password.

**If you are confused with this process, please feel free to ask for help in lab sessions!**

After applying for the license, you can go to jbox and to download R2019a\_{your operating system}.iso or .dmg. After downloading it, please open/load the file. For Windows users, you can double click the .iso and run the setup.exe in it. For Mac users, just run the .dmg file. And for linux users, you can mount this .iso to install it.

Also, if you download the MATLABr2018a.zip file, unzip it. For Windows users, please run setup.exe. For Mac OS X users, please run InstallForMacOSX.app. And for linux users, please run install.

Please keep your computer connected to the Internet, choose **Log in with a MathWorks Account** and click **Next**. Then select the license with the “Individual” tag.

Then please choose the installation folder, click **Next** and select the products you would like to install. Please **DO NOT select the License Manager**, and for the other products, you can select them all since you may need them in the future, even in other courses. Once you have done that, please click **Next** to continue.

In the exam, since you may not be allowed to connect the internet, after the whole installation process, you may double check whether your version of Matlab can be launched when your computer is disconnected to SJTU wifi.

## References

- [1] “Minami-ke”. Internet: <https://en.wikipedia.org/wiki/Minami-ke>. [May. 15, 2019].
- [2] SJTU Student Innovation Center. Internet: <http://lic.si.sjtu.edu.cn/>. [May. 15, 2019].