

xkbCENG111: VM Instructions

In this course, we will use the [Python programming language](#) for implementing the homework and lab exercises. Before, there were two options for Python, Python2, and Python3. Since the support for Python2 [expired](#) last year, we'll only use Python3 for our course materials.

As an operating system, we will use [Linux](#) which is a family of open-source Unix-like operating systems based on the Linux kernel (Don't worry if you didn't understand any word so far!)

The good news is that we created an illusion (formally 'image') of Linux for you. All you need to do is install [Virtualbox](#) on your computer. You need to choose your specific download from [the Download](#) page. After downloading Virtualbox, import [our provided image](#). Don't forget to decompress the image first. (How to import: From the "File" menu on the left upper corner of Virtualbox, click on "Import" and upload the image file which is lubuntu.ova).

Machine credentials **to login Lubuntu**:

The username will be: osboxes.org

Password: cengmetu

If you have successfully completed all the steps so far, congratulations, you are in. The provided virtual environment is called [Lubuntu](#), a light version of [Ubuntu](#). You can take a walk and please feel free to click at some programs.

The most important tool in this environment is the [Terminal](#) or Command-Line. To open it, the shortcut is Ctrl+Alt+T. With the terminal, you are closer to the machine and in more control. You can google e.g. "basic commands for Linux command line" to try different commands. Be careful, you just did your first research on the problems you will encounter in this department :)

Note: The keyboard is set to English by default. If you want to turn the keyboard to Turkish, like me, write "setxkbmap tr" to the terminal and press Enter.

For writing codes, you will need a [code editor](#). We already installed one of them, [Sublime](#), for you. You are also free to change your editor choice. Sublime is just a simple editor compared to other choices.

That's all so far, enjoy yourself!

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