Before installing Hadoop, you need have the VirtualBox and Linux OS (Ubuntu) set up. The following shows how to install VirtualBox and Ubuntu.

1. **Download and install VirtualBox**

Download VirtualBox from the Oracle VirtualBox website: <https://www.virtualbox.org/wiki/Downloads>

Double click the downloaded exe file and follow the instructions shown on the screen to install it.

1. **Download and install Ubuntu using VirtualBox**

Download Ubuntu ISO image (Ubuntu 18.04.1 LTS) from the link: <https://www.ubuntu.com/download/desktop>

Start VirtualBox and click the **New** symbol. Follow the instructions shown on the screen step by step. Please allocate at least **2GB (2048 MB) memory** (RAM) to the virtual machine.

You can refer to this tutorial <https://itsfoss.com/install-linux-in-virtualbox/> about how to install Ubuntu as virtual machine.

1. **When Ubuntu is installed, start Ubuntu and the follow the Hadoop installation instruction for assignment 1.**