**Virtual Machine, Java, and Python IDE set-up**

**Install VMWare Player**

* Download VMWare workstation player from <https://www.vmware.com/products/workstation-player/workstation-player-evaluation.html>
* Refer <https://www.youtube.com/watch?v=NcesmPiwY44> for installation
* Download Ubuntu image using the link <http://releases.ubuntu.com/16.04/ubuntu-16.04.5-desktop-amd64.iso> if your machine is 64-bit or <http://releases.ubuntu.com/16.04/ubuntu-16.04.5-desktop-i386.iso> if your machine is 32-bit.

**Create Virtual Machine**

* Refer link <https://websiteforstudents.com/how-to-create-new-virtual-guest-machines-on-vmware-workstation-player/> for creating an Ubuntu virtual machine.

**Software Installation**

* Install PyCharm using Step 1 and Step 2 mentioned in this link <https://websiteforstudents.com/how-to-install-pycharm-on-ubuntu-16-04-17-10-and-18-04/>
* To start PyCharm, execute **pycharm-community** in the terminal.
* Execute following commands for Java installation
  + sudo apt-get update
  + sudo apt-get install default-jdk
  + java –version