Road Map for new Software Associate:

**Install Python**: Install the Python programming language on your system.

You can download the 3.10 version of Python from the official Python website (https://www.python.org/) and follow the installation instructions specific to your operating system. (In shared Doc)

**Install Integrated Development Environment (IDE):** An IDE provides a comprehensive development environment with features like code editor, debugging tools, and project management. Some popular Python IDEs include:

* PyCharm - (Recommended)
  + - For windows - <https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=windows&code=PCC>
    - For mac - <https://www.jetbrains.com/pycharm/download/download-thanks.html?platform=mac&code=PCC>
* Visual Studio Code with Python extension (<https://code.visualstudio.com/>) (For less then 4G ram Machines only)

**Install Notepad++ -**

<https://github.com/notepad-plus-plus/notepad-plus-plus/releases/download/v8.5.4/npp.8.5.4.Installer.x64.exe>

**Install 7Zip:**

<https://www.7-zip.org/a/7z2301-x64.exe>

**Need to go through the basic’s topics from below websites:**

**Python:**

*www.geeksforgeeks.org*

*www.sololearn.com*

*www.programiz.com*

*www.inprogrammer.com*

*www.tutorialspoint.com*

*www.freecodecamp.org*

*www.w3schools.com*

*www.studytonight.com*

*www.javatpoint.com*

Mobile Application:

*SoloLearn*

*ProgrammingHub*

*Grasshopper*

*Mimo*

For coding Practice:

*www.hackerrank.com*

*www.topcoder.com*

*www.codechef.com*

*www.coderbyte.com*

*leetcode.com*

*www.hackerearth.com*

*excercism.io*

For Multiple choice Practice

*www.geeksforgeeks.org*

*www.examveda.com*

*www.cppbuzz.com*

*www.sanfoundry.com*

*www.indiabix.com*

[www.avatto.com](http://www.avatto.com)

**HTML, CSS, JavaScript, SQL basics from below website**

<https://www.w3schools.com>

[*www.geeksforgeeks.org*](http://www.geeksforgeeks.org)

*VN2 solutions Notes for first 4 topics:*



*Coding:*

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*For Interview questions need to prepare answers at least 20 to 30 lines.*

*Note : don’t copy past from google ; need to type all the answers in the txt file*