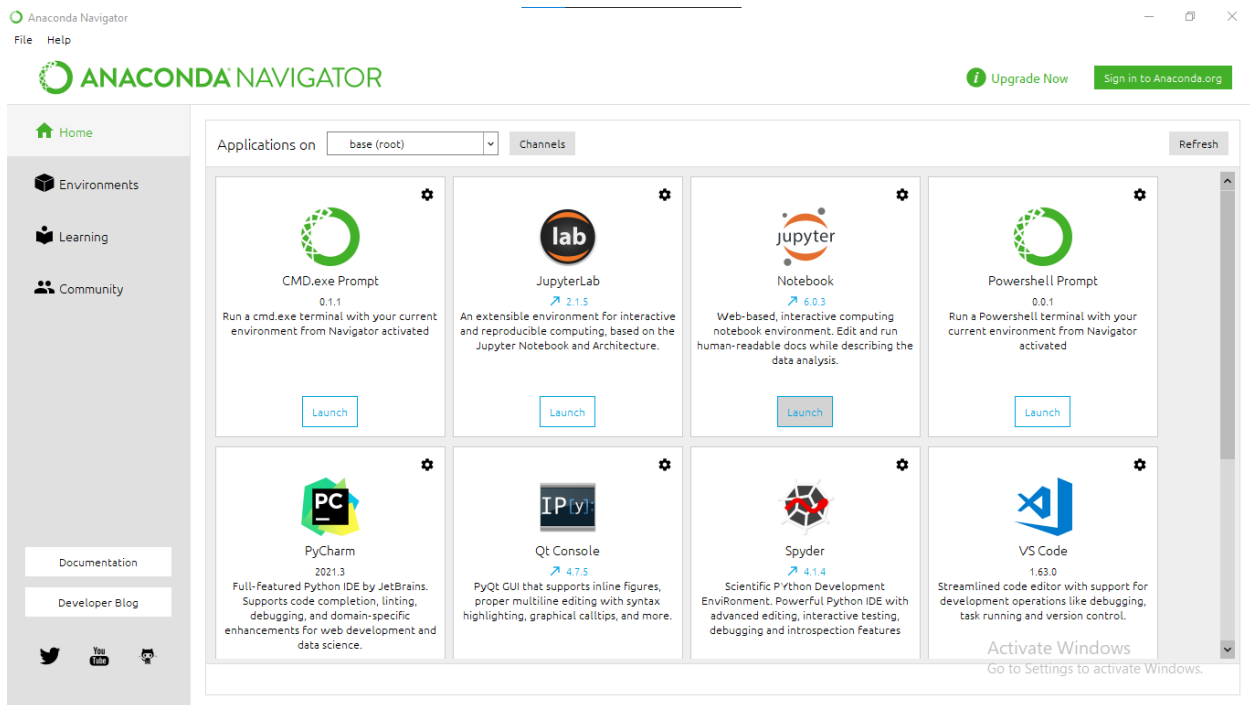


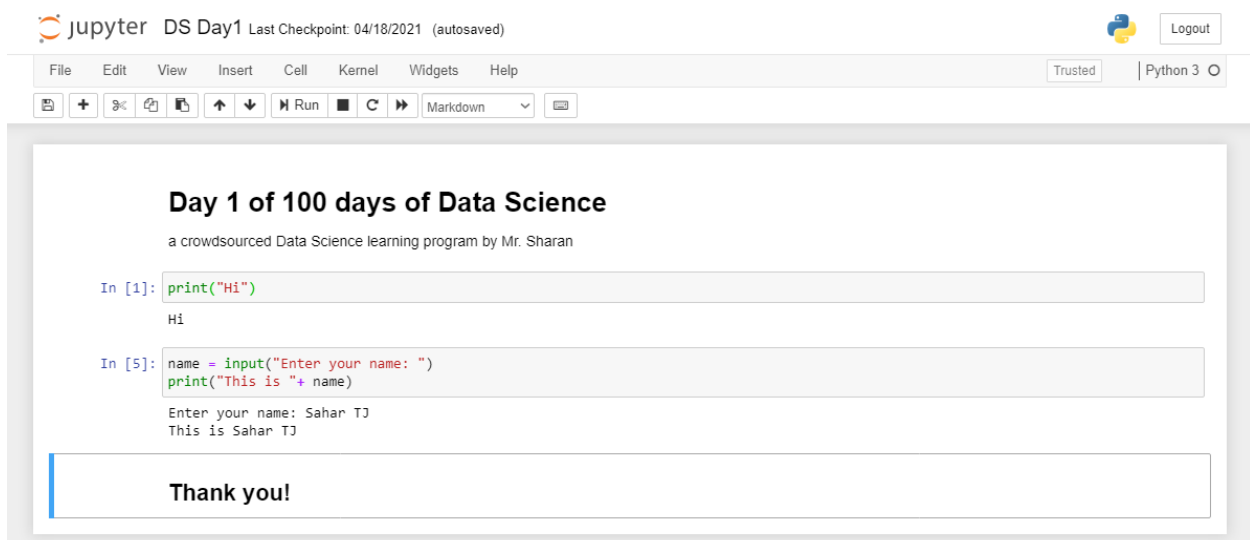
## Day 1 - Learning about the popular IDE

In this task we learn how to install Anaconda and use it. Here's a shot how the environment looks like:



We then launch Jupyter and create a new notebook in any folder on the device. It's a Web-based notebook environment.

The Jupyter notebook uses Markdown and Python code.



## Some other popularly used IDEs

- **Spyder** : Scientific Python Development Environment (Spyder) is an open-source, cross-platform IDE for Data Science. The IDEs essential [building blocks](#), include advanced editing, code analytical tools, IPython Console, variable explorer, plots, debugger and the help icon, which makes Spyder an ideal choice for data scientists.
- **Pycharm** : [PyCharm](#) is an IDE for professional developers and data scientists. It has intelligent coding assistance that allows for smart code completion, code inspections, on-the-fly error highlighting and quick fixes, along with automated code refactorings and rich navigation capabilities.
- **Visual Studio code** : [VS Code](#) is one of the most used Python IDEs. The IDE is known for its tools such as IntelliSense that allows features beyond syntax highlighting and smart completions based on variable types, imported modules, and functions definition. In addition, VS Code allows debugging code right from the editor with breakpoints, call stacks and an interactive console. Furthermore, VS Code is extensible and customisable, allowing for the addition of new languages, themes, and debuggers. The IDE also has built-in Git commands. VS Code is available in free and paid versions.
- **Atom**: [Atom](#) is a formidable IDE for ML & DS professionals that supports many languages other than Python, such as C, C++, HTML, JavaScript, etc. The IDE includes features such as cross-platform editing, built-in package manager, smart autocompletion, file system browser, and multiple panes. Moreover, its plugins, languages, libraries, and tools are constantly updated, resulting in the Atom interface and experience being customisable and outstanding.