What is Google Colab?

How to Use Google Colab?

```
Step 1: Go on Google Type Google Colab
Step 2 : Click on First Link
Step 3: Click on new Notebook
Step 4: Start typing your code into the code cell.
Step 5: If we want to insert more cells we can click on + Button
Step 6: To Run the Cell we can click on Run button or we can use short cut for run(Shift+Enter)
Note --> All the Colab Notebooks will store inside google drive.
```

Editor vs IDE's

Introduction to Visual Code(VS Code)

```
In []: Visual Studio Code, also commonly referred to as VS Code, is a source-code editor made by Microsoft with the Electron Framework, for Windows, Linux and macOS.Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add functionality.
```

Installation of VS Code For Python

```
In []: You can Refer this PDF for VS code Installation for Python:

https://github.com/pratyushsrivastava500/DS010923-Pratyush/blob/13eb05e64ab3e787b8f75a47801c120ddf9c
0f4c/Enviornmental%20Setup%20and%20Python%20Installation/Vs%20Code(Python)%20Installation.pdf
```

Extensions

```
In [ ]: Extension:
            Text --> .txt
            pdf --> .pdf
            doc --> .docs
            image --> .png,.jpeg.jpg
            video --> mp4
        Each and Every Python File is also having an Extensions:
            Python File --> .py
            Python Notebook --> .ipynb
        Few Extensions of Different Python IDE'S:
            pycharm --> .py
            sublime --> .py
            spyder --> .py
            atom --> .py
            vsCode --> .py
            jupter notebook --> .ipynb
            Jupyter Lab --> .ipynb
            Google Colab --> ipynb
        Preference of IDE'S:
           ==> Machine Learning or Data Science --> Jupyter Notebook, Jupyter Lab, Google Colab, Pycharm
           ==> Web development --> Vs Code, Atom, Pycharm
```

Important Note