**Python Notes**

First we we see what is python . What people should learn it and what people should not learn it. How it provide bases for learning AI, Machine learning , deep learning and others. For using python In a system we need some necessary softwares such as Anaconda (Software that is used for managing the python packages and libraries into our system) or similar there is a software name Miniconda(This is small version of anaconda and purely used for python project) . After this , we see what is IDE(Integrated Development Enviornment) that provides us an enviorment for writing codes, execute code , Testing codes and Maintaining codes) so for python we used Vs code that is popular IDE and usually used in overall world that provides us a UI for building projects. After that we create our first Python program with hello world and next we see what is Virtual Enviornment so Virtual environment is an enviornnment that is used for solving the problem that comes due to packages version conflicts. For example, we have doing a project in numpy library of python with version 1.13 and we have another project with version 2.3 so conflics comes and our both two pojects will not execute . so to resolve this issue we use Virtual Enviornment that is created by using the following command

Conda create –n “Env-name” python== version

After creating this we will activate it and after this one we will install packages numpy and Pandas through pip and condas. After this create a new env and then check the available enviornments by running command  **“conda info –e”** then we delete it through conda remove –name “name of env” –all and then again check all available enviornemnt