Task: Explore in Google and Make a document:

**1. What is kernel?**

The kernel is the part of the backend responsible for executing code written by the user in the web application.

**2. Why we create kernel?**

The kernel is the server that enables Python programmers to run cells within Notebook. You typically see the kernel commands in a separate command or terminal window.

**3. What is library in python?**

**A library is an umbrella term referring to a reusable chunk of code**. A Python library is a collection of related modules. It contains bundles of code that can be used repeatedly in different programs. It makes Python Programming simpler and convenient for the programmer. As we don’t need to write the same code again and again for different programs.

**4. What is package in python?**

**Python packages are basically a directory of a collection of modules**. Python packages are namespaces containing multiple modules.

**5. What is difference between library and package in python?**

**A Package is a collection of modules where a library is a collection of packages**.

**6. how to create my name in python jupyter(syntax)?**

* my\_name="Sireesha"

print(my\_name)

* def my\_name():

print("My name is Sireesha")

my\_name()

**7. What is difference between "string" and "int" data types in python?**

int is an integer that stores real numbers. A string holds text data character.

**8. What is "syntax error: EOL error" in python?**

A Syntax Error EOL (End of Line) error occurs when the Python interpreter does not find a particular character or a set of characters before the line of code ends. When the error is raised, the code execution is halted.