1. What is open source tool?

A)Open source software is **code that is designed to be publicly accessible**—anyone can see, modify, and distribute the code as they see fit. Open source software is developed in a decentralized and collaborative way, relying on peer review and community production.

2. What is paid tool?

A)This is not finding on google

3. What is anaconda and why we use it?

A)Anaconda is **an open-source distribution of the Python and R programming languages for data science that aims to simplify package management and deployment**

**Anaconda software helps you create an environment for many different versions of Python and package versions. Anaconda is also used to install, remove, and upgrade packages in your project environments. Furthermore, you may use Anaconda to deploy any required project with a few mouse clicks.**

**4. What is difference between version in python?**

**A)Python 2 has more complicated syntax than Python 3. Python 3 has an easier syntax compared to Python 2. A lot of libraries of Python 2 are not forward compatible. A lot of libraries are created in Python 3 to be strictly used with Python 3.**

**5. What is difference between .exe file and .setup file?**

**A)EXE setups have different parameters based on the tool that was used to create the installer, while some EXE's don't support silent install parameters at all. The EXE file can install an application,**

**MSI is an installer file which installs your program on the executing system. Setup.exe is an application (executable file) which has msi file(s) as its one of the resources. Executing Setup.exe will in turn execute msi (the installer) which writes your application to the system.**

**6. What is difference between anaconda navigator and anaconda prompt?**

**A)Conda works on your command line interface such as Anaconda Prompt on Windows and terminal on macOS and Linux. Navigator is a desktop graphical user interface that allows you to launch applications and easily manage conda packages, environments, and channels without using command-line commands.**

**7. What is difference between jupyter and spider tool?**

**A)Jupyter is an interactive Python notebook where you can run code, visualize data and include text all in one document,**

**Spyder is an Integrated Development Environment (IDE) for Python like Atom, Visual Studio for scientific programming in Python.**

**8. What is difference between Development, Testing and Deployment?**

**A)We as programmers often make a distinction between "development" and "deployment," specifically the idea that we develop software in one place using tools that are different from the place and tools that we use after we deploy the software**

**Development is usually about creating prototypes and testing these prototypes until they are able to function. A tester, on the other hand, is responsible for testing the application and pushing it to its limits.**

**9. Why we use jupyter terminal ?**

**A)Jupyter provides a framework and interface that encourages good knowledge management practices by allowing for clear documentation and chronological explanation of the implemented code.**

**10. What is files, running and cluster in juypter?**

**A) Cluster =you can run notebook on the local machine and connect to the notebook on the cluster by setting the appropriate port number. Example code: Go to Server using ssh username@ip\_address to server. Set up the port number for running notebook.**

**Files=Jupyter stores different files (i.e. configuration, data, runtime) in a number of different locations. Environment variables may be set to customize for the location of each file type.**

**Running=You can run the notebook document step-by-step (one cell a time) by pressing shift + enter. You can run the whole notebook in a single step by clicking on the menu Cell -> Run All.**

**A program is ready to run when it has been assembled and linked without producing any error messages**