***Assignment Questions***

1. **Who Developed python Programming language?**

**ANS:** [Guido van Rossum](https://www.google.com/search?rlz=1C1CHBF_enIN1025IN1025&q=Guido+van+Rossum&stick=H4sIAAAAAAAAAONgVuLUz9U3MMwwME1-xGjCLfDyxz1hKe1Ja05eY1Tl4grOyC93zSvJLKkUEudig7J4pbi5ELp4FrEKuJdmpuQrlCXmKQTlFxeX5gIACMWaE1cAAAA&sa=X&ved=2ahUKEwiu3PSe6579AhVpTmwGHdLSCYoQzIcDKAB6BAgkEAE)

1. **Which type of Programming does Python support?**

**Ans: It supports two types they are Object-oriented programming and structured programming**

1. **Is Python case sensitive when dealing with identifiers?**

**Ans: Yes**

1. **what is the correct extension of the python file?**

**Ans: .py**

1. **Is python code compiled or interpreted?**

**Ans:** Python is an **interpreted language**

1. **Name a few blocks of code used to define in python language?**

**Ans: a module, a function body, a class**

1. **State a character used to give single-line comments in python?**

**Ans:** We can write a single-line comment by adding a **single # character** before any statement or line of code

1. **Mention functions which can help us to find the version of python that we are currently working on?**

**Ans:**  Using python\_version() function:

1. **Python supports the creation of anonymous functions at runtime, using a construct called \_lamda\_\_**
2. **What does pip stand for python?**

**Ans: Preferred Installer Program**

1. **Mention a few built-in functions in python?**

**Ans: print() function,type()function,input()function**

1. **What is the maximum possible length of an identifier in python?**

**Ans: 79 Characters**

1. **What are the benefits of using python?**

**Ans: It is interpreted Language, it is simple to understand, free and open source**

1. **How is memory managed in Python?**

**Ans: Python private heap space**

1. **How to install Python on Windows and set path variables?**

**Ans: Go to python website and download python for windows. After installing**

Right-clicking This PC and going to Properties.

Clicking on the Advanced system settings in the menu on the left.

Clicking on the Environment Variables button o​n the bottom right.

In the System variables section, selecting the Path variable and clicking on Edit. The next screen will show all the directories that are currently a part of the PATH variable.

Clicking on New and entering Python’s install directory.

1. **Is indentation required in Python?**

**Ans: Yes, Indentation is mandatory in python to define the blocks of statements**