* **Python Assignment**
* **Module – 1 (SDLC)**

**• What is Software?**

**Ans.** **Software** is a collection of instructions, data, or computer programs that are used to run machines and carry out particular activities.  the software is basically a set of instructions or commands that tell a computer what to do.

**• What are the types of Applications?**

**Ans.**

* Database apps.
* Custom apps.
* Web-based apps.
* Low code apps.
* No code apps.
* Enterprise apps.

**• What is programing?**

**Ans.** Programming is the mental process of thinking up instructions to give to a machine

**• What is Python?**

**Ans.** Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding, make it very attractive for Rapid Application Development. Python supports modules and packages, which encourages program modularity and code reuse. The Python interpreter and the extensive standard library are available in source or binary form without charge for all major platforms, and can be freely distributed.

* **Module – 2 (Fundamentals of python)**
* **How memory is managed in Python?**

**Ans.** Python uses a memory manager to manage memory allocation and deallocation. The memory manager is responsible for allocating memory to Python objects.

* **What is the purpose continue statement in python?**

**Ans.**  The continue statement in Python is used to skip the remaining code inside a loop for the current iteration only.

**• What are negative indexes and why are they used?**

**Ans.** Negative indexing allows you to access elements of a sequence from the end, using negative numbers as indexes.