Data :- set of facts that can be stored inside a system is called data.

Program :- Set of Instructions that has been written in a computer language to perform a particular task is called a computer program.

Programming Language :- A computer language in which we can write a computer program is called Programming language. There are 3 generation of Computer Programming Language like :

1. 1st gen language :- It is also called Machine language that is consist of 0 and 1. So there is no translator required for machine language program because our system can only understand machine language.

2. 2nd gen language :- It is also called Assembly language that is consist of symbols instead of 0 and 1. There is language translator required to translate the program written in assembly language into machine language that’s called assembler.

3. 3rd gen language :- It is also called High Level language that is near about English language so coding and debugging become very easy in this computer language. There is language translator required to translate the program written in high level language into machine language that’s called compiler and interpreter.

4. WHAT IS Python

a. High level Language

b. It is general purpose computer programming language

c. It is interpreted programming language

d. It is dynamic type language

e. It is Modular programming language

f. It is Object Oriented programming language. [20-30] OOPS

5. Features of Python

a. Simple and straight forward.

b. memory efficient

c. dynamic type

d. suitable for different domain of coding

1. cyber security

2. web development

3. software development

4. mobile app development

5. AI, ML, CLOUD

6. AUTOMATION

6. Component of a Python Program : [ word vs keyword ]

1. Data type :- It is python keyword that specify size and type of a variable. There are two types of data type

a. primitive data type :- predefined data type is called primitive data type like:

--- int :- to declare a variable that can have a single integer value. Ex : x=8