

Introduction to python

I Answer the following in short:

1. what is the use of 'if' statement in python?

Ans: In 'if' statement a statement or block of statement will be executed only when the condition is True. If the condition is False then nothing happens.

2. what is iteration?

Ans: Iteration refers to the process of repeating a set of instructions based on a condition.

3. what is the use of the + operator with lists?

Ans: The + operator is used to concatenate a list with another list.

4. Name different modes of working in python.

Ans: The two different modes of working in python are:

→ Interactive mode.

→ script mode.

II Answer the following in brief:

1. Give different ways of writing statements in python.

Ans: Simple Statements :

By default, the end of a statement is done by pressing an Enter Key. Each statement is written on a new line

$a=5$ is a simple statement where variable a is created with value 5.

$$c = a + b$$

Multiple Statements :

we can make a statement that extends over multiple lines by using line continuation character (\) as shown below

$$\begin{aligned} a &= 4 + 5 + \backslash \\ 6 + 7 + \backslash \\ 8 + 9 \end{aligned}$$

→ The main advantage of using multiline is when we need to do long calculations and cannot fit these statements into one line.