**PYTHON QUESTIONS-7**

1.What will be the type of the variable sorted\_numbers in the below code snippet?

numbers = (4, 7, 19, 2, 89, 45, 72, 22)

sorted\_numbers = sorted(numbers)

print(sorted\_numbers)

a.list

b.tuple

c.string

d.int

Answer:a) list

2.Explain decorators in python?

In Python, **decorators** are a powerful and flexible way to modify or extend the behavior of functions or methods without changing their actual code. Decorators are often used for things like logging, access control, memoization, or measuring execution time.

A decorator is essentially a function that takes another function (or method) as an argument and returns a new function that usually extends or alters the original function's behavior.

3.Count Vowels in a Given Word "programming"?

word = "programming"

vowels = "aeiou"

vowel\_count = 0

for char in word:

if char in vowels:

vowel\_count += 1

print(f"Number of vowels in '{word}': {vowel\_count}")

4.If + means ÷, – means x, ÷ means + and x means -, then 8÷2+4×3-6=?

a.10

b.-10

c.-9.5

d.9.5

Answer: 24