Q1. What is the meaning of multiple inheritance?

**Multiple inheritance** refers to a feature in object-oriented programming (OOP) where a class can inherit properties and methods from more than one parent class.

Q2. What is the concept of delegation?

**Delegation** is a design pattern in object-oriented programming (OOP) where an object passes (delegates) some of its responsibilities or tasks to another object.

Q3. What is the concept of composition?

**Composition** is a design principle in object-oriented programming (OOP) where one class contains an instance of another class and uses its functionality

Q4. What are bound methods and how do we use them?

**Bound methods** are methods that are associated with an instance of a class. They are called "bound" because they are tied (or bound) to the object they belong to.

class Car:

def \_\_init\_\_(self, model, color):

self.model = model

self.color = color

def describe(self):

return f"This is a {self.color} {self.model}."

my\_car = Car("Tesla", "Red")

bound\_method = my\_car.describe

print(bound\_method()) # Output: This is a Red Tesla.

Q5. What is the purpose of pseudoprivate attributes?

**Pseudoprivate attributes** in Python are attributes that are prefixed with an underscore (\_) or double underscore (\_\_) to indicate that they should not be accessed directly outside the class.