

Python Advance Assignment_5

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Q1. What is the meaning of multiple inheritance?

Answer - Multiple Inheritance is done in order to inherit property of multiple parent classes, basically it helps to define each property separately and then combine all in child with the help of inheritance.

Q2. What is the concept of delegation?

Answer - Delegation is an object oriented technique, where it is very much similar to the inheritance. for example :- `class Parent: def init(self): self.child = Child class child: def test(): print('This is an example of delegation')`

to call this method we will use `parent = Parent() parent.child.test()`

Q-3 What is the concept of composition?

Answer - Composition is a concept that models a has a relationship. It enables creating complex types by combining objects of other types. This means that a class Composite can contain an object of another class Component. This relationship means that a Composite has a Component

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

Answer - A bound method is the one which is dependent on the instance of the class as the first argument. It passes the instance as the first argument which is used to access the variables and functions

Q5. What is the purpose of pseudoprivate attributes?

Answer - it's a way to localize a name to the class that created it, and does not prevent access by code outside the class. That is, this feature is mostly intended to avoid namespace collisions in instances, not to restrict access to names in general