ADVANCE ASSIGNMENT -6

Q1. Describe three applications for exception processing.

Ans1- Multiple inheritance means a class can inherit attributes and behaviors from more than one parent class.

Q2. What happens if you don't do something extra to treat an exception?

Ans2- Delegation is a design principle where one class forwards a specific operation or request to another class, typically to reuse or extend its functionality.

Q3. What are your options for recovering from an exception in your script?

Ans3- Composition is a design concept where a class is composed of other classes as components, rather than inheriting their behavior. It promotes code reuse and flexibility.

Q4. Describe two methods for triggering exceptions in your script.

Ans4- Bound methods are methods that are associated with a specific instance of a class. They are created when you access a method on an object, and they automatically receive the instance as their first argument (usually named self).

Q5. Identify two methods for specifying actions to be executed at termination time, regardless of whether or not an exception exists.

Ans5- Pseudoprivate attributes (usually with a double underscore prefix like \_\_my\_attr) are meant to indicate that an attribute is intended for internal use within a class and should not be accessed directly from outside the class. They provide a form of name mangling to make it less likely for subclasses to accidentally override them.