

Pattern Design Practice Test Questions and Answers

1. A virtual proxy is used to:

- A) Delay creation of an expensive object until it is actually needed
- B) Restrict access to a sensitive object
- C) Cache results of expensive operations
- D) Log method calls transparently

2. A Prototype registry stores:

- A) Pre-built prototype objects ready for cloning
- B) Factory methods for each class
- C) Singleton references
- D) Builder director configurations

3. The Strategy pattern allows:

- A) Swapping algorithms at runtime without changing the client
- B) Defining a skeleton algorithm with deferred steps
- C) Encapsulating requests as objects
- D) Traversing a collection without exposing its structure

4. Flyweight's extrinsic state is:

- A) Unique per object instance and passed by the client
- B) Shared among all flyweight instances
- C) Stored inside the flyweight object
- D) Immutable and pre-configured at startup

Answers: 1-A 2-A 3-A 4-A

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