

Unit 10 - Week 8 :

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Assignment 8

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-11-11, 23:59 IST.

1)

Which one of the following is not an objective of design patterns?

a. Codify good design

b. Give important design solutions explicit names to form a common vocabulary

c. Facilitate easier maintenance

d. Improve run time efficiency

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

2)

Which one of the following is an important way an idiom (code pattern) differs from a design pattern?

a. It documents a good solution to a recurrent problem

b. It codifies a good solution

c. It gives a good solution an explicit name

d. It applies only in a narrow context

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

3)

Which one of the following is **not true** of an antipattern?

a. It represents lessons learned from a bad design.

b. It helps to recognize deceptive solutions that appear attractive at first, but turn out to be a liability later

c. Helps to avoid certain design traps

d. It represents a good design practice

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

4)

Which one of the following is an important way in which an algorithm differs from a design pattern?

a. It proposes a reusable solution to a recurrent problem

b. It provides a name to a good solution to a recurrent problem

c. It documents a good solution to a recurrent problem

d. It proposes a space or time efficient solution

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

5)

Which one of the following is a major obstacle to effective use of design patterns?

a. Design patterns apply within a very narrow context

b. Design patterns are very obscure

c. It often becomes difficult to select the right design pattern at the right point during a design exercise

d. When design patterns are incorporated in a design exercise, maintenance becomes a problem

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.

6)

Which one of the following provides an explanation as to why there are no design patterns available for procedural designs?

a. Procedural designs are not modular

b. Procedural designs lack cohesion

c. High coupling among modules is inherent to procedural designs

d. Procedural designs are devoid of concepts such as abstraction, interfaces, and dynamic binding.

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

7)

Which one of the following is not an advantage accruing from use of the expert pattern?

a. Reduction of coupling

b. Suitable allocation of methods to classes

c. Increase in cohesion

d. Increased delegation of responsibilities

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

8)

GRASP design patterns primarily focus on which one of the following issues?

a. Allocation of responsibility to classes

b. Allocation of classes to packages

c. Structuring interaction between model, view, and controller objects

d. Structuring user interactions in a use case

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

9)

Creator pattern does not recommend object creation responsibility to be allocated to which one of the following classes?

a. It is an inventory of objects of that are to be created.

b. It has the information needed to initialize the object to be created.

c. It will be the primary client of the object to be created.

d. It is an entity class that would be commanded by the object to be created.

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

10)

Pure fabrication pattern is not useful to remedy which one of the following problems existing in a design?

a. Low cohesion

b. High coupling

c. Excessive dependencies

d. Dependency inversion

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
d.

11)

Indirection pattern tries to remedy which one of the following problems in a design?

a. Violation of dependency inversion principle (DIP)

b. Violation of single responsibility principle (SRP)

c. Violation of Open/Close principle (OCP)

d. Violation of the principle of encapsulation

☐ a.

☐ b.

☐ c.

☐ d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
c.