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Courses » Programming in Java

Announcements

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Unit 5 - Week 3 :

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Course outline

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Assignment 3

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

Due on 2019-02-20, 23:59 IST

1)

1 point

Which of the following is **true** about the **break** statement in Java?

- a. Break stops the execution of entire program.
- b. Break halts the execution and forces the control out of the loop.
- c. Break forces the control out of the loop and starts the execution of next iteration.
- d. Break halts the execution of the loop for certain time frame.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

2) Which of the following is usually used with the switch statement?

1 point

- a. continue
- b. exit
- c. break
- d. do

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

3) Which of these is used by operating system to manage the Recursion in Java?

1 point

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Solution

Develo

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

- 4) Carefully trace the following piece of code written in Java.

```
class A{
    static int x = 100;
    A() {
        x++;
        System.out.println(x);
    }
}
class B {
    public static void main(String[] args)
    {
        A a1 = new A();
        A a2 = new A();
    }
}
```

What will be the correct output from the above program.

- a. 100
101
b. 101
102
c. 100
100
d. 100
103

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

- 5) Which of the following statements is/ are incorrect?

- a. public members of a class can be accessed by any code in the program.
b. private members of class can only be accessed any members in the same class.
c. private members of a class can be inherited by a subclass, and become protected members in subclass
d. protected members of a class can be inherited by a subclass, and become private members of the subclass.

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c



1 point



6) Which of the following access specifier must be used for class so that a sub class can inherit it? **1 point**

- a. public
- b. private
- c. protected
- d. default

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

7) A class member declared as protected becomes member of subclass of which type? **1 point**

- a. public member
- b. private member
- c. protected member
- d. default member

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

8) Which inheritance in Java programming is not supported? **1 point**

- a. Multiple inheritance using classes.
- b. Multiple inheritance using interfaces.
- c. Multilevel inheritance.
- d. Single inheritance.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

9) How can a protected member be accessed? **1 point**

- a. Accessible only within the class.
- b. Accessible only within package.
- c. Accessible within the package as well as outside the package but through inheritance only.
- d. Accessible to everywhere.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

10) Order of execution of constructors in Java Inheritance is

1 point

- a. Base to derived class.
- b. Derived to base class.
- c. Random order.
- d. No execution of a constructor in the derived class.

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

11) Which of this keyword can be used in a subclass to call the constructor of superclass?

1 point

- a. super
- b. this
- c. extent
- d. extends

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

a

12) Advantage(s) of inheritance in Java programming is/are

1 point

- a. Code sharing
- b. Codemaintainability
- c. Code reusability
- d. All of the above

- ☐ a
- ☐ b
- ☐ c
- ☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

13)

1 point

For each description on the left, find the best matching modifier on the right. You may use a choice more than once or not at all.

- | | |
|---|----------------------|
| 1. Hides the instance variable from code in other files. | A. private |
| 2. Hides the method from code in other files. | B. public |
| 3. Hides the subclass from code in other files. | C. final |
| 4. Exposes the API method to code in other files. | D. static |
| 5. Prevents the value of the instance variable from being Changed once initialized. | E. none of the above |
- a. 1-A,2-A,3-C,4-D,5-E
 b. 1-A,2-A,3-A,4-B,5-C
 c. 1-C,2-B,3-A,4-A,5-D
 d. None of Above

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

b

14. If there is an abstract method in a class then,

1 point

- a. Class must be abstract class.
 b. No object of the class can be created.
 c. Any sub class of the class may or may be abstract class.
 d. All of the above.

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

d

15. Suppose the class *Undergraduate* extends the class *Student* which extends the class *Person*. Given the following variable declaration:

1 point

```
Person p = new Person();
Student s = new Student();
Undergraduate ug = new Undergraduate();
```

Which of the following assignments are legal?

- I. p = ug;
 II. p = new Undergraduate();
 III. ug = new Student();
 IV. ug = p;
 V. s = new Person();

- a. I and IV
 b. III, II and IV
 c. I and II
 d. III and IV

- ☐ a
☐ b
☐ c
☐ d

No, the answer is incorrect.

Score: 0

Accepted Answers:

c

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