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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Programming in Java (course)

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## Unit 5 - Week 3:

Register for Certification Assignment 3 (https://nptelaprilexam.swaya The due date for submitting this assignment has passed. Due on 2020-02-19, 23:59 IST. Course Assignment submitted on 2020-02-19, 18:46 IST outline 1 point Which of these is used by operating system to manage the Recursion in Java? How does an **NPTEL** online course work? a. Array b. Stack Week 0: c. Queue d. Tree Week 1: Week 2: a. ✓ b. Week 3: C. O Lecture 11: d. Java Static Yes, the answer is correct. Scope Rule Score: 1 (unit? Accepted Answers: unit=4&lesson=25) b. O Lecture 12: Demonstration-V (unit? unit=4&lesson=26) O Lecture 13:

Inheritance

(unit?	2) Which inheritance in Java programming is not supported?  1 point
unit=4&lesson=27)	Which inheritance in Java programming is not supported?
O Lecture 14: Demonstration- VI (unit? unit=4&lesson=28)	<ul><li>a. Multiple inheritance using classes.</li><li>b. Multiple inheritance using interfaces.</li><li>c. Multilevel inheritance.</li></ul>
Lecture 15 : Information Hiding (unit? unit=4&lesson=29)	d. Single inheritance.  ✓ a.
<ul><li>Quiz :     Assignment 3     (assessment?     name=95)</li></ul>	b. c. d. Yes, the answer is correct.
Java Week 3:	Score: 1 Accepted Answers:
(/noc20_cs08/progas name=107)	
Java Week 3:	3) 1 points How can a protected member be accessed?
(/noc20_cs08/progas name=108)	a. Accessible only within the class. b. Accessible only within package.
Java Week 3:	c. Accessible within the package as well as outside the package but through inheritance
(/noc20_cs08/progas name=109)	only. signr d. Accessible to everywhere.
Java Week 3: Q4 (/noc20_cs08/progas name=110)	a. signment? b.  c.
Java Week 3:	□ d.
Q5 (/noc20_cs08/progas name=111)	Yes, the answer is correct. signment correct Accepted Answers:
Feedback For Week 3 (unit?	C
unit=4&lesson=124)	4) For each description on the left, find the best matching modifier on the right. You may use a
Week 4 :	choice more than once or not at all.  1. Hides the instance variable from code in other files.  A. private
Week 5 :	A. private
Week 6 :	<ol> <li>Hides the method from code in other files.</li> <li>Hides the subclass from code in other files.</li> <li>C. final</li> </ol>
DOWNLOAD VIDEOS	<ul> <li>Exposes the API method to code in other files.</li> <li>Prevents the value of the instance variable from being Changed once initialized.</li> <li>E. none of the above</li> </ul>
Assignment Solution	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
	<b>a</b> .

b. c. d.  Yes, the answer is correct. Score: 1 Accepted Answers:	
b.	
5) <b>1 poi</b>	ıt
If there is an abstract method in a class, then which of the following is/are NOT true.	
<ul> <li>a. The class should be declared abstract.</li> <li>b. No object of the class can be created.</li> <li>c. Any subclass of the class may or may not be abstract class.</li> <li>d. A final class can have abstract method(s) and an abstract class can be declared final.</li> </ul>	
□ a. □ b.	
b	
<ul><li>✓ d.</li></ul>	
Yes, the answer is correct. Score: 1	
Accepted Answers: d.	
	-4
Which of the following statement is true regarding the order of execution of constructors in an inheritance hierarchy?	π
<ul> <li>a. Base class constructor will be called followed by the derived class constructor.</li> <li>b. Derived class constructor will be called followed by the base class constructor.</li> <li>c. Only Base class constructor will be called.</li> <li>d. Only derived class constructor will be called.</li> </ul>	
<b>b</b> .	
C.	
<b>d</b> .	
Yes, the answer is correct. Score: 1	
Accepted Answers:	
a.	
7) 1 poi	π

```
public class B1 {
private static int i = 0;
private static int j = 0;
public static void main(String[] args) {
int i = 3;
int k = 4;
int j = 2;
System.out.println("i + j is "+i +j);
   k = i + j;
System.out.println(k);
System.out.println(j);
```

## What is the output of the above program?

```
a. i + j is 32
      3
      0
  b. i+j is 5
      7
      2
  c. i + j is 32
      2
  d. i+jis 5
      0

✓ a.

■ b.
```

□ c.

d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

1 point

Which of this keyword can be used in a sub class to call the constructor of super class?

```
a. super
```

b. this

c. extent

d. extends

**✓** a.

■ b.

C.

```
d.
 Yes, the answer is correct.
 Score: 1
 Accepted Answers:
a.
9)
                                                                                       1 point
 Consider the composition of two classes as given below.
  Public class Question5{
        public static void main (String args[]) {
               String question= "Which course have you opted?";
               System.out.print(Answer.submit(question));
         }
  }
  class Answer{
        static String answer = "Programming with Java";
        static String submit(String question) {
        return ("The answer to the question, "+question+" is "+answer);
        }
  }
Which of the following option is true about the above program?
    a. Error: String cannot be a method return type like void, int, char, etc.; as it is a class.
    b. Error: Non-static variable 'answer' cannot be referenced from a static context.
    c. Output: The answer to the question, Which course have you opted? is Programming with
    d. Error: Compilation error as variable 'question' is not static.
  □ a.
  b.
  ✓ c.
  d.
 Yes, the answer is correct.
 Score: 1
 Accepted Answers:
10)
                                                                                       1 point
```

Consider the class composition as shown in the following.

Select the correct option(s) as per your understanding of the above-mentioned code.

- a. This code doesn't maintain encapsulation.
- b. This code maintains encapsulation.
- c. Variable 'q' can be modified using the 'question' object in Student class.
- d. Variable 'a' can be accessed using the 'question' object in Student class.
- □ a.
- b.
- □ c.
- d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

b.