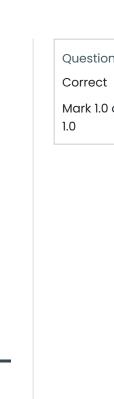
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Dashboard My courses Summer 212 CSE 1115/CSI 211 (F) 6 August - 12 August Quiz on 7th-Aug-2021

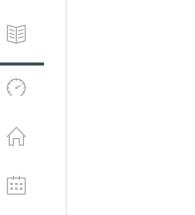
Started on	Saturday, 7 August 2021, 2:20 PM
State	Finished
Completed on	Saturday, 7 August 2021, 2:55 PM
Time taken	35 mins 1 sec
Grade	<b>20.5</b> out of 25.0 (82%)

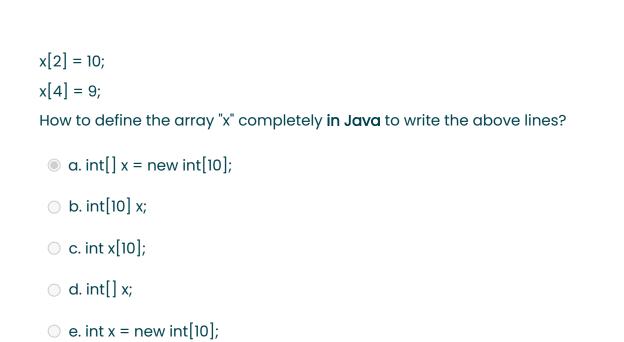


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## \*\*\*

```
Question 2
Correct
Mark 1.0 out of 1.0
```

In Java what does the last line "y=x" do?

```
Point x;
Point y;
// .....
y=x;
```

- a. after this line both x,y refers to the same memory address
- o b. y and x are duplicate variables with separate memory addresses
- c. copies value of x to y
- d. assigns y's memory location to x

Your answer is correct.

The correct answer is: after this line both x,y refers to the same memory address

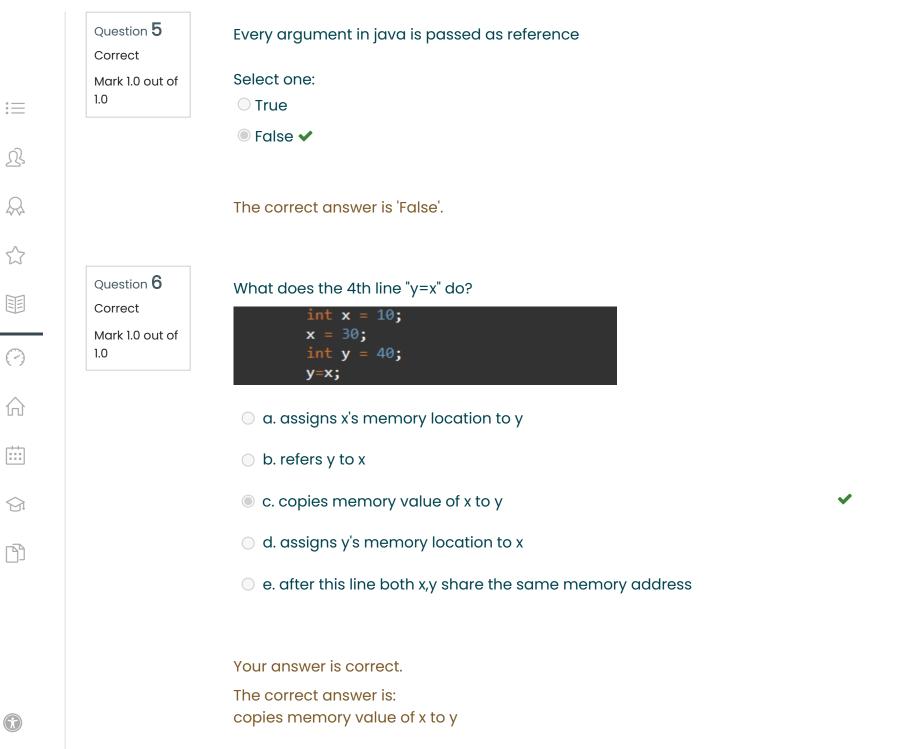
```
Question 3
                              Point obj1, obj2;
           Incorrect
                              // .....
           Mark 0.0 out of
                              obj1 == obj2;
           1.0
                              Which of the following is correct about the third line in Java?

    a. gives false value if both object are not allocated and initialized to null

                               b. returns true if both objects have equal memory contents
                                                                                                               ×
                               oc. compares values of obj1 and obj2
                               od. compares the memory reference of obj1 and obj2
                              Your answer is incorrect.
The correct answer is:
                              compares the memory reference of obj1 and obj2
Question 4
                              Any nonzero integer value is treated as true in Java
           Correct
                              Select one:
           Mark 1.0 out of
           1.0
                              True

    False 

✓
                              The correct answer is 'False'.
```





```
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D,
***
```

Question 7

Mark 0.5 out of

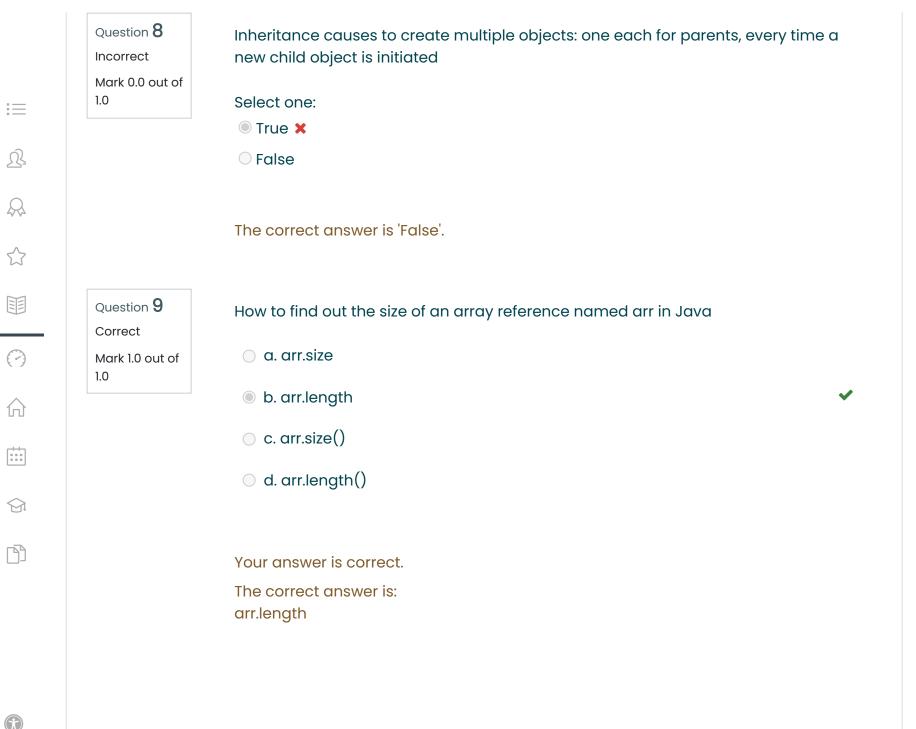
Partially

correct

1.0

```
1 class A{
         int x = 10;
 3 }
 4 class B extends A{
         int y = 30;
        void f(int z){
             System.out.println(this.z);
             System.out.println(super.y);
             System.out.println(x);
11
12 }
Which of the following line(s) might introduce error to above code block?
 a. None. The code block is correct
 ✓ b. line #9
_ c. line #8
d. line #10
Your answer is partially correct.
You have correctly selected 1.
```

You have correctly selected 1
The correct answers are:
line #8,
line #9





```
Question 10
                              class A{
            Correct
           Mark 1.0 out of
                              class B extends A{
           1.0
\equiv
                              class C extends B{
                              Which of the following is true?
                                a. class C does not have attributes from class A
                                b. class A does not have any parent
                                o c. "new C() instanceof A" returns true
                                Od. class B is called subclass of class C
\bigcirc
                              Your answer is correct.
...
                              The correct answer is:
                               "new C() instanceof A" returns true
```



Question 11
Partially correct
Mark 0.5 out of 1.0

Consider you need to design two classes for feature phone and smart phone. Smart phone has all the features of the feature phone with some additional features like touch option, sensors etc. How would you design the inheritance hierarchy?

- a. create two classes with all attributes in each
- b. first create Featurephone class with its attributes and then extend that to
   Smartphone class and add exclusive smartphone attributes
- c. first create a common class, named phone with shared attributes of both featurephone and smartphone like call/volume etc. Then create two classes: Featurephone and Smartphone and extend the Phone class and define the exclusive attributes separately to each class
- d. first create Smartphone class with its attributes and then extend that to Featurephone class. Keep the extra attributes but don't use them for Featurephone

Your answer is partially correct.

The correct answer is:

first create a common class, named phone with shared attributes of both featurephone and smartphone like call/volume etc. Then create two classes: Featurephone and Smartphone and extend the Phone class and define the exclusive attributes separately to each class

## Question 12 Partially correct Mark 0.5 out of 1.0

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B

...

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```
obj1 = new Obj
                      obj2 = new Object(); // 02
                      obj3 = obj1;
               obj1 = new Object(); // 03
               obj1 = obj2;
               obj2 = null;
 11
 12
               obj1 = obj3;
 13
Say three objects are allocated in memory namely O1, O2, O3 at line no 4, 5, 8
respectively.
Which of the followings are correct?
 a. from line no: 11 O3 is garbage
 ■ b. from line no: 9 01 is garbage
 c. from line no: 8 O1 is garbage
                                                                              ×
 d. from line no: 13 O1, O2, O3 are garbage
 e. from line no: 13 O2, O3 are garbage
Your answer is partially correct.
You have correctly selected 1.
The correct answers are:
from line no: 11 O3 is garbage,
```

from line no: 13 O2, O3 are garbage

## Question Correct Mark 1.0 of 1.0

• • •

```
Question 13

Correct

Mark 1.0 out of

What will be the output of the following?
```

```
public class Main
{
    static int func(int x){
        x = 50;
        return x;
    }

    public static void main(String[] args) {
        int x = 10;

        x = 30;
        func(x);

        System.out.println(x);
        x = 40;
    }
}
```

```
a. 30b. 10
```

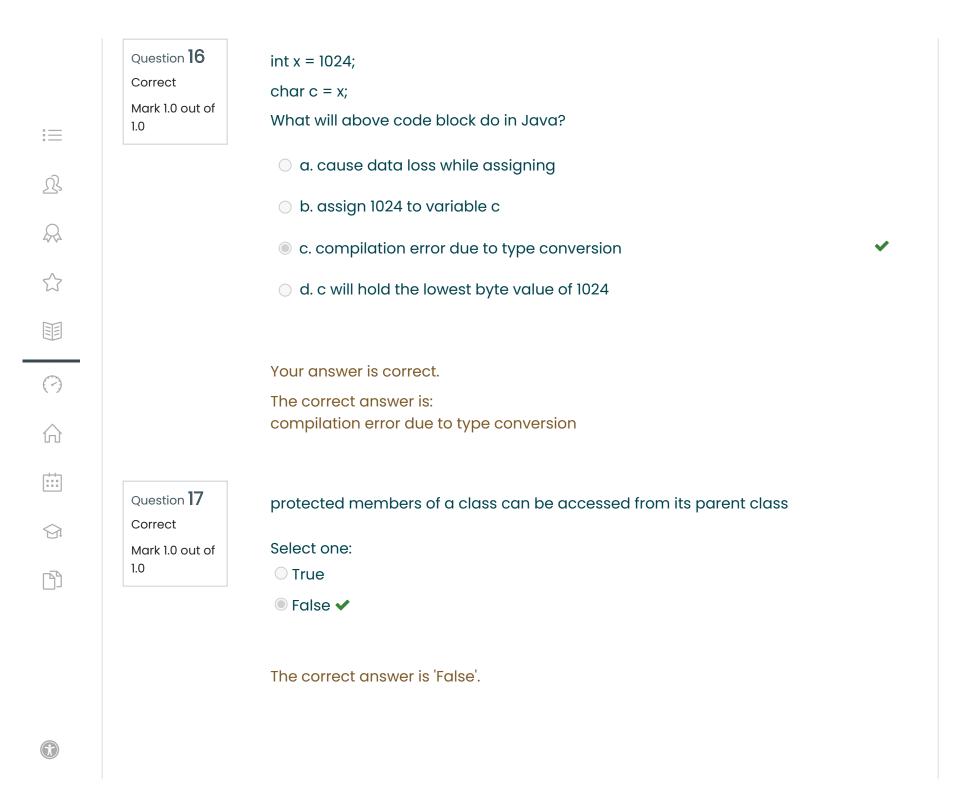
o. 40

od. 50

Your answer is correct.

The correct answer is: 30

	Question 14 Correct	Which of the followings are the uses of super keyword in Java?
<b>:</b> ≡	Mark 1.0 out of 1.0	<ul> <li>a. to call parents constructor in the child's constructor at the very first line of the child's constructor</li> </ul>
ß		b. to access members of only the immediate parent in the inheritance hierarchy
Q		c. to access members of all parents in the inheritance hierarchy
$\Diamond$		d. to call parents constructor anytime in the child class
		Your answer is correct.
(?)		The correct answers are:
$\hat{\Box}$		to call parents constructor in the child's constructor at the very first line of the child's constructor ,
		to access members of only the immediate parent in the inheritance hierarchy
• • •		
	Question 15	The parent and the child class can have a member variable with the same name -
	Correct	
	Mark 1.0 out of	Select one:
	1.0	True   ✓
		O False
		The correct answer is 'True'.



Question 18 Correct Mark 1.0 out of 1.0 = $\bigcirc$ 000  $\bigcirc$ 

private members cannot be accessed from child class

Select one:

- True 

  ✓
- False

The correct answer is 'True'.

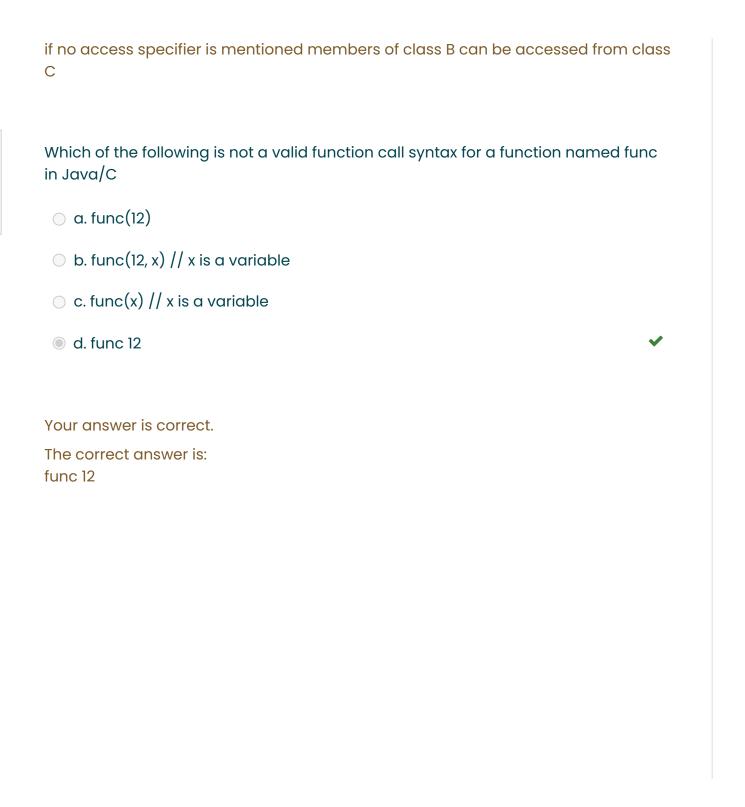
## P1 • C P2 • D • E consider P1, P2 are packages and A, B, C, D, E are classes. Which of the followings are correct? a. two classes with name class A can exist in P1 and P2 like shown in the question ■ b. if no access specifier is mentioned members of class B can be accessed from class D ☑ c. if no access specifier is mentioned members of class B can be accessed from class C d. only public members of class B can be accessed from class E e. two classes with name class A can also exist within same package Pl Your answer is correct. The correct answers are: two classes with name class A can exist in P1 and P2 like shown in the question, only public members of class B can be accessed from class E,

Question 19

Mark 1.0 out of

Correct

1.0



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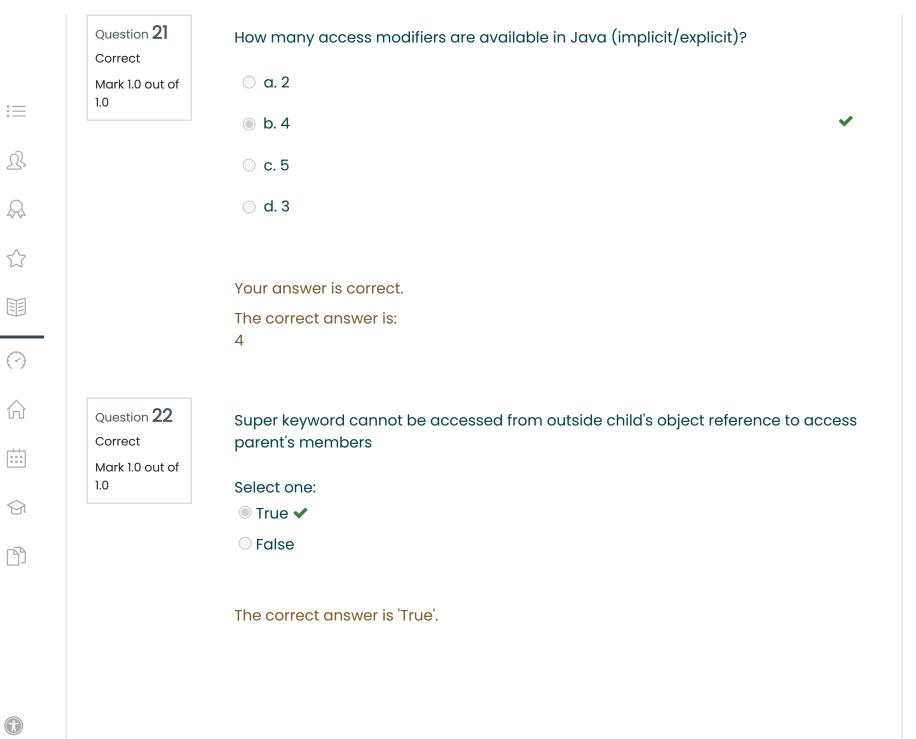
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Question 20

Mark 1.0 out of

Correct

1.0





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Question 23 Constructor of a class must have a return type same as the Class

Select one:

True

Mark 1.0 out of

1.0

■ False

The correct answer is 'False'.

```
Question 24
                              x = 30
           Correct
                              y=30
           Mark 1.0 out of
                              System.out.println("hello"+x+y);
           1.0
                              gives output: "hello3030"
                              Which of the following is incorrect for above?

    a. println prints everything as string

                               b. removing "hello" would result in printing the addition of x and y
                               o. c. first argument is string and so later all arguments are converted to string for
                                    concatenation
                               d. moving "hello" to last would keep the output same
e. x and y are converted to string here
...
                              Your answer is correct.
The correct answer is:
                              moving "hello" to last would keep the output same
```



