1/3/2021 Quiz 3

Quiz 3 Total points 15/15

The respondent's email address (saad.salim@northsouth.edu) was recorded on submission of this form.

```
what would be the output of this program:
                                                  2/2
class Parent {
      int i=20;
      Parent() {
         i = 40;
class Child extends Parent{
      int i=30;
class Driver{
    public static void main(String args[]){
         Parent p = new Child();
         System.out.println(p.i);
  20
() 40
```

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Choose 2 wrong answers from below:	2/2
method overriding is possible if only inheritance is in use	
it is not required to declare the method in parent class to override in subclass	
in case of overriding, the methods in parent class and child class must have the s signature	ame
method overloading and method overriding are the same features of OOP	
method overriding means the child implementation hides the parent implementati	on
Suppose you have 3 classes: SmartPhone Iphone SamsungPhone What	1/1
Suppose you have 3 classes: SmartPhone, Iphone, SamsungPhone. What could be the best relationship among them?	1/1
could be the best relationship among them?	1/1
	1/1
could be the best relationship among them?	1/1
could be the best relationship among them? SmartPhone is the child of both Iphone and Samsungphone	1/1
could be the best relationship among them? SmartPhone is the child of both Iphone and Samsungphone Iphone is the child of Smartphone and SamsungPhone is the child of Iphone	1/1

what would be the output of this program: 2/2 package QUIZ3; public class Vehicle { double engine_cc = 1.5; } package QUIZ3; public class Car extends Vehicle{ double engine_cc = 2.5; void show(double engine_cc){ System.out.print(engine_cc + ", "); System.out.print(this.engine_cc + ", "); System.out.print(super.engine_cc); } } package QUIZ3; public class Driver { public static void main(String[] args) { Car c1 = new Car(); c1.show(3.5); } 2.5, 2.5, 1.5 1.5, 2.5, 1.5 3.5, 2.5, 1.5 1.5, 2.5, 3.5

what is the use of super keyword?	1/1
 to call parent constructor from child class to call parent fields from child class to call parent methods from the child class all of the above 	
What restriction is there on using the 'super' reference in a constructor?	1/1
It must be used in the first statement of the constructor	
It must be used in the last statement of the constructor	
It can only be used in the parent's constructor.	
Only one child class can use it	
True/False: The parent class can hold reference to both the parent and child objects	1/1
True	
○ False	

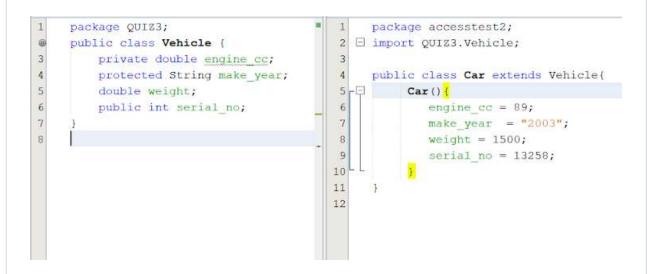
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Protected members can be accessed through inheritance in the same 1/1 package as well as in a different package.

False

True

Two classes 'Vehicle' and 'Car' are written as below. Choose the correct answer based on the code shown:



- it shows error in Car class in Line 6 and 8
- The program complies without any error
- O It shows error in Car class in Line 6 and 7
- It shows error in Car class in Line 7 and 8

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'Animal' class has a subclass 'Bird'. which of the statement is correct?	1/1
 'Animal' class may have another subclass 'Reptile' 'Bird' can also have another superclass 'Fliers' 'Bird' class can not have any other subclasses 'Animal' class can not have any other child 	
Which keyword is used in Java to inherit a class?	1/1
super this extend	
extends	

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