



Quiz review



Started on	Monday, 13 May 2024, 10:04 PM
State	Finished
Completed on	Monday, 13 May 2024, 10:05 PM
Time taken	1 min 17 secs
Marks	5.00/5.00
Grade	100.00 out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

Given the below code :

```
import static java.lang.Math.PI;  
```

```
public class AreaCalculator {  
    public double calculateArea(double radius) {  
        double area = PI * radius * radius; //Instead of Math.PI  
        return area;  
    }  
}
```

select the correct statement to use the static variable PI.

Your answer is correct.

The correct answer is:

Given the below code :

```
[import static java.lang.Math.PI;]
```

```
public class AreaCalculator {  
    public double calculateArea(double radius) {  
        double area = PI * radius * radius; //Instead of Math.PI  
        return area;  
    }  
}
```

select the correct statement to use the static variable PI.



Question 2

Correct

Mark 1.00 out of 1.00

Given the class Book and Library in two different packages :

1. package model;
 2. public class Book {
 3. private static void countBook() { }
 4. }
-
1. package util;
 2. public class Library {
 3. public static void main(String[] args) {
 4. // insert code here
 5. }
 6. }

What is required at line 4 in class Library to use the countBook method of Book class?

Select one:

- ☒ Library class cannot use the countBook method in Book class. ✓
- ☐ Book.countBook();
- ☐ model.Book.countBook();
- ☐ countBook();
- ☐ util.Library.countBook();

countBook() cannot be invoked since the method is declared private.

The correct answer is: Library class cannot use the countBook method in Book class.

Question 3

Correct

Mark 1.00 out of 1.00

Given the class Book in packages p1 and class Main in package p2. In main to create an object of Book, which of the following are valid.

Select one:

- ☐ p1.Book bookObj=new Book();
- ☒ p1.Book bookObj=new p1.Book(); ✓
- ☐ Book bookObj=new Book();

Since the Book class is present within p1 package, it has to be accessed as "p1.Book", everytime, from package p2.

The correct answer is: p1.Book bookObj=new p1.Book();

Question 4

Correct

Mark 1.00 out of 1.00

Assume class Calculator in package p1 and CalculatorService class in package p2 as shown below.

package p1;

```
public class Calculator {  
    _____ static void calculate(){  
        //some code here  
    }  
}
```

package p2;

```
import p1.Calculator;  
public class CalculatorService {  
    public void display(){  
        Calculator.calculate();  
    }  
}
```

What can be the valid access specifier for the calculate method in Calculator class so that it can be accessed from CalculatorService class?

Select one:

- ☐ Any access specifier except private
- ☐ default
- ☐ private
- ☒ public ✓
- ☐ protected

If a method defined within a class in one package has to be invoked from outside, then that method has to be declared public.

The correct answer is: public

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Question 5

Correct

Mark 1.00 out of 1.00

Choose the correct order of the code

```
public class Main----- 1
import java.util.Scanner;----- 2
{----- 3
//Some code here----- 4
}----- 5
package test;----- 6
```

Select one:

- ☐ a. 6 1 3 2 4 5
- ☒ b. 6 2 1 3 4 5 ✓
- ☐ c. 2 6 1 3 4 5
- ☐ d. 6 1 2 3 4 5

Your answer is correct.

The correct answer is:

6 2 1 3 4 5

◀ Test your understanding - Static

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