

      	Started on	Saturday, 15 February 2025, 8:37 PM
	State	Finished
	Completed on	Saturday, 15 February 2025, 8:38 PM
	Time taken	41 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

1.00/1.00

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:

- ☐ Book bookObj=new Book();
- ☐ p1.Book bookObj=new Book();
- ☒ p1.Book bookObj=new p1.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 2

1.00/1.00

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 3

1.00/1.00

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:

- ☐ util.Library.countBook();
- ☐ countBook();
- ☒ Library class cannot use the countBook method in Book class. ✓
- ☐ Book.countBook();
- ☐ model.Book.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 4

1.00/1.00

Choose the correct order of the code

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



64%



```
}----- 5  
package test;----- 6
```

Select one:

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

Your answer is correct.

The correct answer is:
6 2 1 3 4 5

Question 5

1.00/1.00

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:

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

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

