Quiz review

Started on	Monday, 13 May 2024, 9:53 PM
State	Finished
Completed on	Monday, 13 May 2024, 9:57 PM
Time taken	3 mins 41 secs
Marks	4.33/5.00
Grade	**86.67** out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

Question 1

Correct

Mark 1.00 out of 1.00

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For the below code, what are the valid ways to invoke display method in the main method.

```
public class Test {

    public static void display(){

    }
}
public class Main {

    public static void main(String a[]){

        //Invoke the display method

    }
}
```

Select one or more:

- ☐ display();
- ☑ Test.display(); ✔
- ☑ new Test().display(); ✔

Static method can be invoked either by using the object instance or using the class name.

The correct answers are: Test.display();, new Test().display();

Observe the below code

```java
public class Product
{
    int productId;
    String productName;
    static int count  = 0;

    public Product(int pid,String name){
        productId = pid;
        productName=name;
        count++;
    }

    public static void main(String arg[]){

        Product p1=new Product(101,"Screws");
```

System.out.println("Count is "+Product.count); ⬍ ✔

```java
        Product p2=new Product(102,"Nuts");
        Product p3=new Product(103,"Nails");
```

System.out.println("Count is "+Product.count); ⬍ ✔

```java
    }
}
```

choose the options correctly so that the output will be

Count is 1

Count is 3

Note: You can use the same option multiple times

Your answer is correct.

The correct answer is:

Observe the below code

```java
public class Product
{
    int productId;
    String productName;
    static int count  = 0;

    public Product(int pid,String name){
        productId = pid;
        productName=name;
        count++;
```

```
    }

    public static void main(String arg[]){

        Product p1=new Product(101,"Screws");
        [System.out.println("Count is "+Product.count);]
        Product p2=new Product(102,"Nuts");
        Product p3=new Product(103,"Nails");
        [System.out.println("Count is "+Product.count);]
    }
}
```

choose the options correctly so that the output will be

Count is 1

Count is 3

Note: You can use the same option multiple times

Observe the code :

public class Employee {

    String name;

    static int employeeCount;

    //Line 1

}

Which of the following code can be included in Line 1?

Select one or more:

- [ ] public static void display() {

       System.*out*.println("Employee Name"+name);

  }

- [ ] public void display(){

       System.*out*.println("Employee Name"+name);

  }

- [x] public static void display(){   ✔

       System.*out*.println("Employee count "+employeeCount);

  }

- [ ] public void display(){

       System.*out*.println("Employee count "+employeeCount);

  }

From a static method, we can access only static members. Non static members cannot be accessed from static methods.
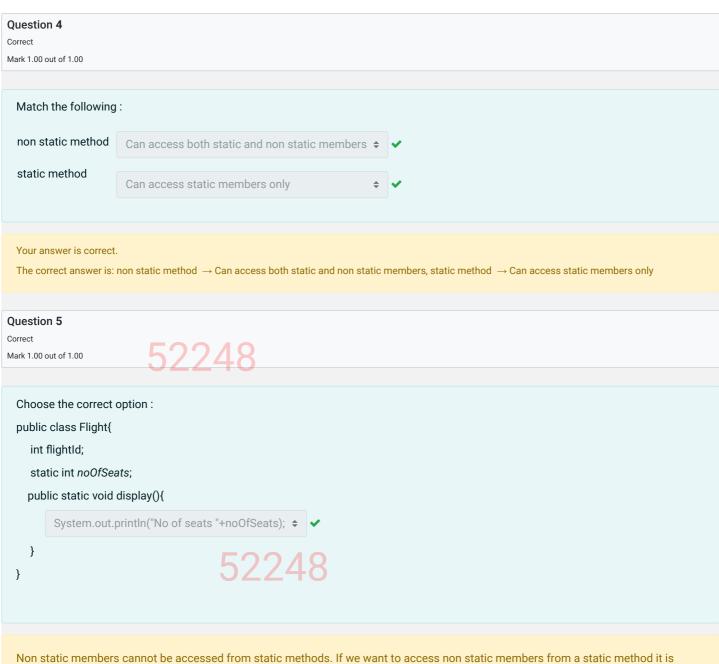
However, from a non static method, we can access both static and non static members.

You have correctly selected 1.
The correct answers are:
public static void display(){
    System.*out*.println("Employee count "+employeeCount);
},
public void display(){
    System.*out*.println("Employee count "+employeeCount);
},
public void display(){
    System.*out*.println("Employee Name"+name);
}

Question 4

Correct

Mark 1.00 out of 1.00

Match the following :

non static method   Can access both static and non static members ⬍ ✔

static method   Can access static members only ⬍ ✔

Your answer is correct.

The correct answer is: non static method → Can access both static and non static members, static method → Can access static members only

Question 5

Correct

Mark 1.00 out of 1.00

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Choose the correct option :

public class Flight{

    int flightId;

    static int *noOfSeats*;

    public static void display(){

        System.out.println("No of seats "+noOfSeats); ⬍ ✔

    }

}

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Non static members cannot be accessed from static methods. If we want to access non static members from a static method it is possible by creating an object. Hence, only "noOfSeats" can be accessed, not "flightId".

The correct answer is:
Choose the correct option :

public class Flight{

    int flightId;

    static int *noOfSeats*;

    public static void display(){

        [System.out.println("No of seats "+noOfSeats);]

    }

}

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Jump to... ⬍