



# Quiz review

Started on	Monday, 13 May 2024, 9:45 PM
State	Finished
Completed on	Monday, 13 May 2024, 9:53 PM
Time taken	7 mins 28 secs
Marks	4.67/5.00
Grade	93.33 out of 100.00
Feedback	Congratulations!!! You have passed by securing more than 80%

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### Question 1

Correct

Mark 1.00 out of 1.00

Observe the below code.

```
public class Student {  
    private int id;  
    private String name;  
    private char grade;  
    //Constructor 1  
    public Student() {  
        id=0;  
        name= " ";  
    }  
    //Constructor 2  
    public Student(int id, String name) {  
        this.id=id;  
        this.name=name;  
    }  
}
```

Choose the constructor that is invoked, when an object is created as shown below.

new Student();

Constructor 1  

new Student(54, "John");

Constructor 2  

Your answer is correct.

The correct answer is:

Observe the below code.

```
public class Student {  
    private int id;  
    private String name;  
    private char grade;  
    //Constructor 1  
    public Student() {  
        id=0;  
        name= " ";  
    }  
    //Constructor 2  
    public Student(int id, String name) {  
        this.id=id;
```

```
this.name=name;
```

```
}
```

```
}
```

Choose the constructor that is invoked, when an object is created as shown below.

`new Student();` [Constructor 1]

`new Student(54, "John");` [Constructor 2]

## Question 2

Correct

Mark 1.00 out of 1.00

You are given with few classes.

Match the code with the type of constructor available in the class.

```
public class Student {  
}
```

Default constructor



```
public class Student {  
    public Student() {  
    }  
}
```

No-argument Constructor



```
public class Student {  
    public Student(int studentId, String name) {  
    }  
}
```

Parameterized Constructor



Your answer is correct.

The correct answer is: `public class Student {`

`} → Default constructor, public class Student {`  
 `public Student() {`

```
    }  
}
```

`} → No-argument Constructor, public class Student {`  
 `public Student(int studentId, String name) {`  
  
 `}`

`} → Parameterized Constructor`

### Question 3

Correct

Mark 1.00 out of 1.00

Observe the code below.

```
public class Student {  
    int studentId;  
    String name;  
    char grade;  
  
    public Student(int studentId, String name, float mark) {  
        this.studentId = studentId;  
        this.name=name;  
        calculateGrade(mark);  
    }  
  
    public void calculateGrade(float mark){  
        if(mark>90)  
            grade='A';  
        else  
            grade='B';  
    }  
}
```

For the code

```
Student s = new Student(1,"Peter",95);
```

What will be the output?

Select one:

- ☒ Compiles successfully ✓
- ☐ Compilation error because cannot call methods from constructor
- ☐ Compilation error because of the parameter – mark - in constructor. It should be grade instead of mark.

Your answer is correct.

The correct answer is: Compiles successfully

#### Question 4

Correct

Mark 1.00 out of 1.00

Observe the below class.

```
class Product{  
    int productId;  
    String productName;  
    Product🌈 {  
        productId=0; productName=" ";  
    }  
    Product(int id, String name) {  
        //access Product() --- Line 1  
        productId=id;  
        productName=name;  
    }  
}
```

Identify the valid option which is used to invoke the no argument constructor, Product(), at Line 1.

Select one:

- ☐ Product();
- ☐ Product
- ☒ this();✔
- ☐ super();

this() invokes the current object's no argument constructor.




The correct answer is: this();

### Question 5

Partially correct

Mark 0.67 out of 1.00

choose the code so that the constructor for Student class is overloaded correctly.

```
public class Student {  
    private int studentId;  
    private String name;  
    private float grade;  
    public Student(int studentId, String name) {  
        this.studentId=studentId;this.name=name;   
    }  
    public Student(int studentId, String name, float grade) {  
        this.studentId=studentId;this.name=name;   
        this.grade=grade;   
    }  
}
```

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Your answer is partially correct.

You have correctly selected 2.

The correct answer is:

choose the code so that the constructor for Student class is overloaded correctly.

```
public class Student {  
    private int studentId;  
    private String name;  
    private float grade;  
    public Student(int studentId, String name) {  
        [this.studentId=studentId;this.name=name;]  
    }  
    public Student(int studentId, String name, float grade) {  
        [this(studentId,name);]  
        [this.grade=grade;]  
    }  
}
```

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◀ Test Your understanding - Classes and Objects

Jump to...



Test your understanding - Static ▶

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