

# SCJP/OCJP

# Mock Variables and Methods

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## 1. Variables and Methods

## 4. Chapter: Variables and Methods

### 1. Variables and Methods Questions

#### 4.1.1. What is the result of compiling and running the following code?

Author: Yasser Ibrahim

What is the result of compiling and running the following code?

```
public static void main(String[] args) {  
    int x = 5, y;  
    while (++x < 7) {  
        y = 2;  
    }  
    System.out.println(x + y);  
}
```

Please choose only one answer:

- 7
- 8
- 9
- a compilation error

Check the answer of this question online at QuizOver.com:

Question: [Using java variable before initialization](#)

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<http://www.quizover.com/flashcards/using-java-variable-before-initialization?pdf=3044>

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#### 4.1.2. Would the following code compile and run?

Author: JavaChamp Team

Would the following code compile and run?

```
public class Tester {  
    public static void main(String args) {  
        System.out.println("JavaChamp");  
    }  
}
```

Please choose only one answer:

- The program will compile and run fine printing JavaChamp as output
- The program will compile fine but won't run correctly, a NoSuchMethodError exception would be thrown
- There is a compilation error at declaring the main() argument, should be an array of String instead

Check the answer of this question online at QuizOver.com:

Question: [How to write method main in java?](#)

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#### 4.1.3. What is the result of compiling and running the following code?

Author: Yasser Ibrahim

What is the result of compiling and running the following code?

```
public class Tester {  
  
    static {  
        int x = 3;  
    }  
  
    static int x;  
  
    public static void main(String[] args) {  
        x--; // line 7  
        System.out.println(x);  
    }  
}
```

Please choose only one answer:

- 3
- 2
- -1
- Compilation error at line 7, x is not initialized

Check the answer of this question online at QuizOver.com:

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#### 4.1.4. What is the result of compiling and running the following program?

Author: JavaChamp Team

What is the result of compiling and running the following program?

```
public class Tester {  
  
    public static void main(String[] args) {  
        int x = 1;  
        int y;  
        while(++x<5) y++;  
        System.out.println(y);  
    }  
}
```

Please choose only one answer:

- 0
- 3
- 4
- Compilation error

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Question: [How to use java local variables?](#)

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#### 4.1.5. What is the result of compiling and running the following program?

Author: Yasser Ibrahim

What is the result of compiling and running the following program?

```
public class Tester {  
  
    public static void main(String[] args) {  
        int x = 1;  
        int y=0;  
        while(++x<5) y++;  
        System.out.println(y);  
    }  
}
```

Please choose only one answer:

- 0
- 3
- 4
- Compilation error

Check the answer of this question online at QuizOver.com:

Question: [Java local variables initialization](#)

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#### 4.1.6. What is the result of compiling and running the following program?

Author: Yasser Ibrahim

What is the result of compiling and running the following program?

```
public class Tester {  
    public static void print(Integer arg){  
        System.out.print("Integer");  
    }  
    public void print(int arg){  
        System.out.print("int");  
    }  
    public static void main(String[] args) {  
        print(new Integer(3));  
    }  
}
```

Please choose only one answer:

- int
- Integer
- RuntimeException is thrown at run time
- Compilation error

Check the answer of this question online at QuizOver.com:

Question: [How to call java static method?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-call-java-static-method?pdf=3044>

Interactive Question:

<http://www.quizover.com/question/how-to-call-java-static-method?pdf=3044>

#### 4.1.7. Which of the following is a valid variable declaration?

Author: JavaChamp Team

Which of the following is a valid variable declaration?

Please choose all the answers that apply:

- `int _javaChamp;`
- `int _;%javaChamp;`
- `int ;javaChamp;`
- `int 2009JavaChamp;`
- `int $JavaChamp;`

Check the answer of this question online at QuizOver.com:

Question: [how to declare valid java variable?](#)

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#### 4.1.8. Which of the following methods follow the JavaBean standards?

Author: JavaChamp Team

Which of the following methods follow the JavaBean standards?

Please choose all the answers that apply:

- public void addJCLListener(JCLListener listener)
- void setName(String name)
- public void removeJCLListener(MCLListener listener)
- public boolean isDeleted()
- public void fetchName(String name)

Check the answer of this question online at QuizOver.com:

Question: [How to write a java bean?](#)

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#### 4.1.9. What is the result of compiling and running the following code?

Author: Yasser Ibrahim

What is the result of compiling and running the following code?

```
public class Tester {  
  
    public static void main(String[] args) {  
        if(true){  
            int x = 5;  
            System.out.print(x);  
        } else {  
            ++x;  
            System.out.print(x);  
        }  
    }  
}
```

Please choose only one answer:

- 5
- 56
- 6
- Compilation error

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Question: [What is java local variables scope?](#)

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#### 4.1.10. What is the result of compiling and running the following code?

Author: JavaChamp Team

What is the result of compiling and running the following code?

```
public class Tester {  
    int x = 12;  
  
    static void reset(Tester obj) {  
        obj = null;  
    }  
  
    public static void main(String[] args) {  
        Tester o1 = new Tester();  
        reset(o1);  
        System.out.print(o1.x);  
    }  
}
```

Please choose only one answer:

- 0
- 12
- Compilation error
- NullPointerException is thrown
- Another type of exception is thrown

Check the answer of this question online at QuizOver.com:

Question: [How to pass variables in java?](#)

Flashcards:

<http://www.quizover.com/flashcards/how-to-pass-variables-in-java?pdf=3044>

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<http://www.quizover.com/question/how-to-pass-variables-in-java?pdf=3044>



#### 4.1.11. What is the result of compiling and running the following code?

Author: JavaChamp Team

What is the result of compiling and running the following code?

```
public class Tester {  
    int x = 12;  
  
    static Tester reset( Tester obj) {  
        obj = null;  
        return obj;  
    }  
  
    public static void main(String[] args) {  
        Tester o1 = new Tester();  
        o1 = reset(o1);  
        System.out.print(o1.x);  
    }  
}
```

Please choose only one answer:

- 0
- 12
- Compilation error
- NullPointerException is thrown
- Another type of exception is thrown

Check the answer of this question online at QuizOver.com:

Question: [How variables are passed in java?](#)

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#### 4.1.12. What is the result of compiling and running the following code?

Author: JavaChamp Team

What is the result of compiling and running the following code?

```
public class Tester {  
    final short s = 12; // Line 3  
  
    static void swap( Tester obj) {  
        obj.s = 11; // Line 6  
    }  
  
    public static void main(String[] args) {  
        final Tester obj1 = new Tester();  
        swap(obj1);  
        System.out.print(obj1.s); // Line 12  
    }  
}
```

Please choose only one answer:

- 11
- 12
- Compilation error at line 3
- Compilation error at line 6
- Compilation error at line 12

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Question: [How to use java final variable?](#)

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#### 4.1.13. What is the output for following program?

Author: Kishor Shamra

What is the output for following program?

```
public class SomeClass {
    static int i ;

    private static int increment(int i) {
        return ++i;
    }

    public SomeClass() {
        i = 1;
    }

    public static void main(String[] args) {
        System.out.print(i);
        System.out.print( increment(i));
        System.out.print(i);
    }
}
```

Please choose only one answer:

- 000
- 012
- 010
- compilation error

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Question: [kishor shamra static variable in java](#)

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