



Started on

Sunday, 16 February 2025, 6:50 PM

State

Finished

Completed on

Sunday, 16 February 2025, 6:52 PM

Time taken

1 min 29 secs

Marks

8.00/8.00

Grade

100.00 out of 100.00

Feedback

Congratulations!! You have passed by securing more than 80%



Question 1

1.00/1.00

Given:

```
public class ItemTest
{
    private final int id;
    public ItemTest(int id) {
        this.id = id;
    }
    public void updateId(int newId) {
        id = newId;
    }
    public static void main(String[] args) {
        ItemTest fa = new ItemTest(42);
        fa.updateId(69);
        System.out.println(fa.id);
    }
}
```

What is the result?

Select one:

- ☐ a. Runtime Error
- ☐ b. 69
- ☒ c. CompileTime Error✓

Your answer is correct.

The correct answer is: CompileTime Error

Question 2

1.00/1.00

Predict the Output of following Java Program.

```
class Test {
    int x = 10;
    public static void main(String[] args) {
        System.out.println(x);
    }
}
```

Select one:

- ☐ a. 0



- ☐ b. 10
- ☐ c. Runtime Exception
- ☐ d. Compile Time Error ✓

Your answer is correct.

The correct answer is: Compile Time Error

Question 3

1.00/1.00

Identify the true statement(s).

Statement 1 : When no constructor is written in a class, the compiler creates a default constructor

Statement 2 : The default constructor will implicitly invoke the default / no-argument constructor of the super class

Statement 3 : If a class has a parametrized constructor alone, then the compiler will create the default constructor

Statement 4 : If a class has a parametrized constructor, it is mandatory to write a no-argument constructor

Select one:

- ☐ a. 2 and 3
- ☒ b. 1 and 2 ✓
- ☐ c. 1, 2 and 4
- ☐ d. 1, 2 and 3

Your answer is correct.

The correct answer is: 1 and 2

Question 4

1.00/1.00

A JavaBeans component has the following field:

```
private boolean enabled;
```

Which two pairs of method declarations follow the JavaBeans standard for accessing this field? (Choose two.)

Select one or more:

- ☒ a. `public void setEnabled(boolean enabled)` ✓
`public boolean getEnabled()`
- ☒ b. `public void setEnabled(boolean enabled)` ✓
`public boolean isEnabled()`
- ☐ c. `public void setEnabled(boolean enabled)`
`public void isEnabled()`
- ☐ d. `public boolean setEnabled(boolean enabled)`



```
public boolean getEnabled()
```



74%



Your answer is correct.

When writing getters and setters, setters return type is void and getters return type is the corresponding data type. Naming convention is camelcase notation. For setters start with set followed by field name and for getters start with get followed by field name. For boolean return type, it should start with 'is' or 'are' followed by field name.

The correct answers are: public void setEnabled(boolean enabled)
public boolean isEnabled(), public void setEnabled(boolean enabled)
public boolean getEnabled()

Question 5

1.00/1.00

```
package edu.ABC.model;  
public class Account {  
    public static final float INTEREST_RATE = 7.5;  
}
```

Identify the correct options from the classes provided below.

Select one or more:

- ☒ a. `import edu.ABC.model.Account ;` ✓
`public class Loan {`
 `public double getInterest() {`
 `return Account.INTEREST_RATE;`
 `}`
`}`
- ☐ b. `import static edu.ABC.model.Account ;`
`public class Loan {`
 `public double getInterest() {`
 `return INTEREST_RATE;`
 `}`
`}`
- ☐ c. `package edu.ABC.model;`
`public class Loan {`
 `public double getInterest() {`
 `return INTEREST_RATE;`
 `}`
`}`
- ☒ d. `import static edu.ABC.model.Account.*;` ✓
`public class Loan {`
 `public double getInterest() {`
 `return INTEREST_RATE;`
 `}`



```
}
```



Your answer is correct.

The correct answers are:

```
import static edu.ABC.model.Account.*;
public class Loan {
    public double getInterest() {
        return INTEREST_RATE;
    }
}, import edu.ABC.model.Account ;
public class Loan {
    public double getInterest() {
        return Account.INTEREST_RATE;
    }
}
```

Question 6

1.00/1.00

Which members of a class can be accessed by other classes is determined by the _____

Select one:

- ☒ a. Access specifier✓
- ☐ b. class
- ☐ c. constructor
- ☐ d. variables

Your answer is correct.

The correct answer is: Access specifier

Question 7

1.00/1.00

Identify which statement is true about constructors.

Select one:

- ☒ a. Constructor can be overloaded✓
- ☐ b. Constructor of a class should not have a return type, which means the return type is void
- ☐ c. Constructor should have same name as class name, but not case sensitive
- ☐ d. Constructor will be invoked explicitly like other methods

Your answer is correct.

The correct answer is:

Constructor can be overloaded



Question 8

1.00/1.00

What does this() mean in constructor chaining concept?

Select one:

- ☒ a. Used for calling the no argument constructor of the same class. ✓
- ☐ b. Used for calling the current object of the parent class.
- ☐ c. Used for calling the parameterized constructor of the parent class.
- ☐ d. Used for calling the current object of the same class.

Your answer is correct.

The correct answer is: Used for calling the no argument constructor of the same class.