Quiz review

Started on	Tuesday, 14 May 2024, 10:38 AM
State	Finished
Completed on	Tuesday, 14 May 2024, 10:46 AM
Time taken	8 mins 11 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

Correct

Mark 1.00 out of 1.00

What does this() mean in constructor chaining concept?

Select one:

- a. Used for calling the current object of the same class.

- b. Used for calling the parameterized constructor of the parent class.

- c. Used for calling the no argument constructor of the same class. ✔

- d. Used for calling the current object of the parent class.

Your answer is correct.

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

```
package edu.ABC.model;

public class Account  {

        public static final float INTERTEST_RATE = 7.5;

}
```

Identify the correct options from the classes provided below.

Select one or more:

- [x] a.
  ```
  import static  edu.ABC.model.Account.*;  ✔

  public class Loan {

      public double getInterest() {

          return INTEREST_RATE;

      }

  }
  ```

- [ ] b.
  ```
  package edu.ABC.model;

  public class Loan {

      public double getInterest() {

          return INTEREST_RATE;

      }

  }
  ```

- [ ] c.
  ```
  import static edu.ABC.model.Account ;

  public class Loan  {

      public double getInterest()  {

              return INTEREST_RATE;

      }

  }
  ```

- [x] d.
  ```
  import edu.ABC.model.Account ;              ✔

  public class Loan {

          public double getInterest()  {

              return Account.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 3
Correct

Mark 1.00 out of 1.00

Identify which statement is true about construtors.

Select one:

- a. Constructor will be invoked explicitly like other methods

- b. Constructor can be overloaded ✔

- c. Constructor should have same name as class name, but not case sensitive

- d. Constructor of a class should not have a return type, which means the return type is void

52248

Your answer is correct.

The correct answer is:
Constructor can be overloaded

Question 4
Correct

Mark 1.00 out of 1.00

52248

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

Select one:

- a. constructor

- b. class

- c. variables

- d. Access specifier ✔

Your answer is correct.

The correct answer is: Access specifier   52248

Question 5

Correct

Mark 1.00 out of 1.00

Predict the Output of following Java Program.

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

Select one:

- a. Compile Time Error ✔
- b. 10
- c. Runtime Exception
- d. 0

Your answer is correct.

The correct answer is: Compile Time Error

Question 6

Correct

Mark 1.00 out of 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. 1, 2 and 3
- b. 2 and 3
- c. 1, 2 and 4
- d. 1 and 2 ✔

Your answer is correct.

The correct answer is: 1 and 2

Given:

```java
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.   CompileTime Error ✔

- b.
      69

- c.
      Runtime Error

Your answer is correct.

The correct answer is: CompileTime Error

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 isEnabled()

- ☐ b. public boolean setEnabled(boolean enabled)

  public boolean getEnabled()

- ☑ c. public void setEnabled(boolean enabled) ✔

  public boolean getEnabled()

- ☐ d. public void setEnabled(boolean enabled)

  public void isEnabled()

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()

◄ **Post-Quiz - Classes and Objects, Packages**

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