Certification SCJP/OCJP Mock Enums

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1. Enums Questions

1. Enums 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?

```
enum Status {
 Published(1), Rejected(2); // Line 2
 int index;  // Line 3
 Status(int i) { index = i; }
      int getIndex(){return index;} // Line 5
}

public class Tester {
  public static void main(String [] args) {
  System.out.println(Status.Published.index + Status.Rejected.index); // Line 10
  }
}
```

Please choose only one answer:

- Compilation error at line 2. Must be terminated by a colon ','
- Compilation error at line 3. index must be marked static
- Compilation error at line 5. must be marked public
- Compilation error at line 10, can't access index directly, must use getIndex() instead
- 3

Check the answer of this question online at QuizOver.com:
Question: how to declare java enum?

Flashcards:
http://www.quizover.com/flashcards/how-to-declare-java-enum?pdf=3044

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4.1.2. enum can be declared and defined inside :

Author: Yasser Ibrahim

enum can be declared and defined inside :

Please choose all the answers that apply:

- Another enum
- A class
- An interface
- A method

Check the answer of this question online at QuizOver.com:
Question: Where java enum can be defined?

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http://www.quizover.com/flashcards/where-java-enum-can-be-defined?pdf=3044

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4.1.3. 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 Test{

 enum BookStatus {
  PUBLISHED, DRAFT
 }

 public static void main(String[] args) {
  BookStatus s1 = BookStatus.PUBLISHED;
  BookStatus s2 = BookStatus.PUBLISHED;
  System.out.print(s1 == BookStatus.PUBLISHED);
  System.out.print(s1.equals(s2));
 }

}
```

Please choose only one answer:

- falsetrue
- truetrue
- falsefalse
- compilation error, s1 and s2 are incorrectly instantiated

4.1.4. Find correct import statement ?

Author: Naveen Yadav

Find correct import statement ?

```
package pkg;
public enum Signal{GET , SET, GO}

========================

class Import_Enum2
{
public static void main(String... arg)
{
 for(Signal ele : Signal.values())
 {
  System.out.println(ele);
 }
}
}
```

Please choose only one answer:

- import pkg.*;
- import pkg.Signal;
- import static pkg.Signal;
- static import pkg.Signal;

4.1.5. Which of following import statement will allow to compile code corr...

Author: Naveen Yadav

Which of following import statement will allow to compile code correctly

```
package pkg;
public enum Signal{GET , SET, GO}


class Import_Enum2
{

public static void main(String... arg)
{
 System.out.println(SET);

}
}
```

Please choose all the answers that apply:

- import static pkg.Signal.*;
- import static pkg.Signal.SET;
- import pkg.Signal;
- import static pkg.Signal;
- static import pkg.Signal.SET;

Check the answer of this question online at QuizOver.com:
Question: java static imports

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http://www.quizover.com/flashcards/java-static-imports?pdf=3044

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4.1.6. Which code, inserted at line 14, allows the Sprite class to compile?

Author: BELHAUSS Imad

Which code, inserted at line 14, allows the Sprite class to compile?

```
class Nav{
    public enum Direction { NORTH, SOUTH, EAST, WEST }
 }
public class Sprite{
// insert code here
}
```

Please choose only one answer:

- Direction d = NORTH;
- Nav.Direction d = NORTH;
- Direction d = Direction.NORTH;
- Nav.Direction d = Nav.Direction.NORTH;

Check the answer of this question online at QuizOver.com:
Question: java enum class

Flashcards:
http://www.quizover.com/flashcards/java-enum-class?pdf=3044

Interactive Question:
http://www.quizover.com/question/java-enum-class?pdf=3044

4.1.7. What is the result of running the following code? .

Author: AlinaIoana Florea

What is the result of running the following code? .

```
public class Coffee
{
    CoffeeSize size;    // line 1

    public static void main(String... arg)    // line 2
    {
        enum CoffeeSize{ SMALL, NORMAL, BIG ; }    // line 3

        Coffee drink = new Coffee();
        drink.size = CoffeeSize.BIG;    // line 4

        System.out.println(drink.size);    // line 5
    }
}
```

Please choose all the answers that apply:

- big
- compile-time error on line 1
- compile-time error on line 2
- compile-time error on line 3
- run-time error on line 4

Check the answer of this question online at QuizOver.com:
Question: AlinaIoana Florea enum and methods

Flashcards:
http://www.quizover.com/flashcards/question-alinaioana-florea-enum-and-methods?pdf=3044

Interactive Question:
http://www.quizover.com/question/question-alinaioana-florea-enum-and-methods?pdf=3044

4.1.8. Will the following code compile? .

Author: AlinaIoana Florea

Will the following code compile? .

```
static final enum AnimalSound
{
   WOOF, meow, BURBLE    // line 1
}   // line 2

strictfp enum Animal
{
   DOG(AnimalSound.woof, 4),    // line 3
   CAT(MEOW, 4),    // line 4
   FISH(AnimalSound.BURLE)    // line 5
   {
      public int getNrOfLegs()
      {
         return 1;
      }
   };    // line 6

   private AnimalSound sound;
   private int nrOfLegs;

   Animal(AnimalSound sound, int nrOfLegs)
   {
      this(sound);
      this.nrOfLegs = nrOfLegs;
   }

   Animal(AnimalSound sound)
   {
      this.sound = sound;
   }

   public AnimalSound getSound()
   {
      return sound;
   }

   public int getNrOfLegs()
   {
      return nrOfLegs;
   }
};   // line 7
```

Please choose all the answers that apply:

- No, there will be a compile-time error on line 2 because of the missing semicolon(;) and on line 6 because of the present semicolon
- There will be a compile-time error on line 3 and 5
- There will be a compile-time error on line 4
- There will be a run-time error on other lines
- AnimalSound, like any top class, can be marked with only the "public", "default" or "strictfp" modifiers

- An enum, e.g. Animal, can NOT be marked "strictfp"

4.1.9. What will the following code output? .

Author: AlinaIoana Florea

What will the following code output? .

```
protected enum Animal {    DOG, CAT, FISH }  // line 1

public class TestEnumAnimal {
    Animal[] animals = Animal.values(); // line 2
    static Animal woofy = new Animal(); // line 3
    public static void main(String... arg) {
        System.out.println(woofy);
        for (Animal animal : animals) {  // line 4
            System.out.println(animal);
        }
    }
}
```

Please choose all the answers that apply:

- DOG
  DOG
  cat
  FIsh
- Compilation error on line 1
- Compilation error on line 2
- Compilation error on line 3
- Compilation error on line 4

4.1.10. What's the output of the following code?

Author: AlinaIoana Florea

What's the output of the following code?

```
enum Sounds
{
   HAM_HAM, CHIP_CHIP
}

interface PlaySounds
{
   void play();
}

enum AnimalSound extends Sounds implements PlaySounds
{
   WOOF("dog"), meow("CaT"),
   BURBLE("fish")
   {
      int nrOfLegs = 1;    // line 1
   };

   public static int nrOfLegs = 4;
   private String animal;

   public getAnimal()
   {
      return animal;
   }

   AnimalSound(String animal)
   {
       this.animal = animal;
   }

   void play(){}
}
public class Test
{
   public static void main(String[] args)
   {
      for(AnimalSound sound: AnimalSound.values())
      {
         System.out.println("A " + sound.animal + " makes " + sound + " and has " + AnimalSound.nrOfLegs + "
legs.");
      }
   }
}
```

Please choose all the answers that apply:

• The enum's constants are printed in the order in which they were declared:

    A dog makes WOOF and has 4 legs.
    A CaT makes meow and has 4 legs.
    A fish makes BURBLE and has 4 legs.

- Compilation error: an enum can not extend any class, so remove "extends Sounds" from its declaration
- Compilation error: getAnimal() from AnimalSound is missing a String return type
- Compilation error: play() is NOT correctly implemented in AnimalSound as it has a more restrictive access level of "default", should be made "public"
- Compilation error: in main() you can NOT access sound.animal because "animal" is private in AnimalSound