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https://itc.birzeit.edu/mod/quiz/attempt.php?attempt=364574&cmid=145012

**Question 1**  
Not yet answered  
Marked out of 2.50  
Flag question

The output for the following

```
public class Test {  
    public static void main(String[] args) {  
        T t = new T();  
        swap(t);  
        System.out.println("e1 = " + t.e1  
            + " e2 = " + t.e2);  
    }  
    public static void swap(T t) {  
        t.e1 = t.e2;  
        t.e2 = t.e1;  
    }  
}  
class T {  
    int e1 = 1;  
    int e2 = 2;  
}
```

Select one:

- a. e1 = 2 e2 = 1
- b. e1 = 2 e2 = 1
- c. e1 = 1 e2 = 1
- d. e1 = 2 e2 = 2

[Clear my choice](#)

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c. e1 = 1 e2 = 1

d. e1 = 2 e2 = 2

[Clear my choice](#)

**Question 2**  
Not yet answered  
Marked out of 2.50  
Flag question

Given: `double[][] val = new double[3][1][2];`  
`val.length` is:

Select one:

- a. 1
- b. 2
- c. 3
- d. None of the above

[Clear my choice](#)

**Question 3**  
Not yet answered  
Marked out of 2.50  
Flag question

what is the output of the following program:

```
public class Main {  
    public static void main(String[] args) {  
        Test t1 = new Test();  
        Test t2 = new Test();  
        Test.i++;  
        System.out.println(Test.i + "\t" + t1.j + "\t" + t2.j);  
    }  
}
```

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**Question 3**  
Not yet answered  
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Flag question

what is the output of the following program:

```
public class Main {  
    public static void main(String[] args) {  
        Test t1 = new Test();  
        Test t2 = new Test();  
        Test.i++;  
        System.out.println(Test.i + "\t" + t1.j + "\t" + t2.j);  
    }  
}  
  
class Test {  
    static int i = 0;  
    int j = 0;  
    Test() {  
        j = 1;  
    }  
}
```

Select one:

- a. 3 1 1
- b. 2 1 1
- c. 3 2 1
- d. 1 1 1

[Clear my choice](#)

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Question	Date/Time	Status	Score
2	23/12/20, 16:03	Saved: 1 / 1	Answer saved
3	23/12/20, 17:39	Attempt finished	Correct 2.50

**Question 4**  
Incorrect  
Mark 0.00 out of 2.50  
Flag question  
Edit question

toString() method is defined in

Select one:

- a. java.lang.String
- b. java.lang.Object
- c. java.lang.util
- d. none of the above ✖

Your answer is incorrect.  
The correct answer is: java.lang.Object

Make comment or override mark

Response history

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**Question 5**  
Incorrect  
Mark 0.00 out of 2.50  
Flag question  
Edit question

which one of the following is a valid and correct method overloading;

A:  
`public int sum(int a, int b);  
public int sum(int a, int b);`

B:  
`public double sum(int a, int b);  
public int sum(int a, int b);`

C:  
`public int sum(int a, int b, int c);  
public int sum(int a, int b);`

D:  
`public static void sum(int a);  
public int sum(int a, double b);`

Select one:

- a. A, D
- b. A ✘
- c. B, C, A
- d. C, D

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Select one:

- a. A, D
- b. A
- c. B, C, A
- d. C, D

[Clear my choice](#)

**Question 6**  
Not yet answered  
Marked out of 2.50  
Flag question

One of the following casting statement will cause loss of information

Select one:

- a. `int b = 'A';`
- b. `double d = 1.10f;`
- c. `int e = (int)2.56;`
- d. `double c = 10;`

[Clear my choice](#)

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**Question 7**  
Not yet answered  
Marked out of 2.50  
Flag question

What is i after the following for loop is finished?

```
int y = 0;
for (int i = 0; i < 10; ++i) {
    y += i;
}
```

Select one:

- a. 9
- b. 10
- c. 11
- d. undefined

[Clear my choice](#)

**Question 8**  
Not yet answered  
Marked out of 2.50  
Flag question

What is the output of this code:

```
public class Temp {
    public static void main(String[] args) {
        C c = new C();
        System.out.println(c.s + " " + c.t);
    }
}
class C
```

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C

**Question 7**  
Not yet answered  
Marked out of 2.50  
Flag question

What is i after the following for loop is finished?

```
int y = 0;
for (int i = 0; i < 10; ++i) {
    y += i;
}
```

Select one:

- a. 9
- b. 10
- c. 11
- d. undefined

[Clear my choice](#)

**Question 8**  
Not yet answered  
Marked out of 2.50  
Flag question

What is the output of this code:

```
public class Temp {
    public static void main(String[] args) {
        C c = new C();
        System.out.println(c.s + " " + c.t);
    }
}
class C
```

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answered  
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```
public class Temp {
    public static void main(String[] args) {
        C c = new C();
        System.out.println(c.s + " * " + c.t);
    }
}

class D
{
    public int s=0;
    public int t=1;
    D()
    {
        s = 1;
        t = 2*5;
    }
}

class C extends D
{
    public int a;
    public int s=22;
    C()
    {
        super();
    }
}
```

Select one:

- a. 2, 22
- b. 2, 12
- c. 1, 44

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Not yet answered  
Marked out of 2.50  
Flag question

Question

what is the output of the following program:

```
public class Main {
    public static void main(String[] args) {
        Float x = new Float(3.2);
        System.out.print(x.intValue() + "\f");
        System.out.println(x.compareTo(new Float(2)));
    }
}
```

Select one:

- a. 3 -1
- b. 3.2 -1
- c. 3.2 1
- d. 3 1

Clear my choice

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**Question 10**  
Not yet answered  
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```
How many times 'Moodle' is printed?  
public class Moodle {  
    public static void main(String[] args) {  
        for (int i = 0; i < 5; i++) {  
            System.out.println("Moodle Moodle");  
            i++;  
        }  
    }  
}
```

Select one:

- A. 6
- B. 4
- C. 3
- D. 2

[Clear my choice](#)

**Question 11**  
Not yet answered

Which of the following is true according to the relation between subclasses and their super classes?

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- A. 6
- B. 4
- C. 3
- D. 2

[Clear my choice](#)

**Question 11**  
Not yet answered  
Marked out of 2.50  
Flag question

Which of the following is true according to the relation between subclasses and their super classes?

Select one:

- a. An instance of a super class is an instance of a subclass.
- b. No relation between sub classes and super classes.
- c. No casting can occur between super and sub classes.
- d. An instance of a sub class is an instance of a superclass.

[Clear my choice](#)

**Question 12**  
Not yet answered

**Inheritance is also known as the**

Select one:

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a. An instance of a super class is an instance of a subclass.

b. No relation between sub classes and super classes.

c. No casting can occur between super and sub classes.

d. An instance of a sub class is an instance of a superclass.

[Clear my choice](#)

**Question 12**  
Not yet answered  
Marked out of 2.50  
Flag question

**Inheritance is also known as the**

Select one:

a. knows-a relationship.

b. has-a relationship.

c. uses-a relationship.

d. is-a relationship.

[Clear my choice](#)

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**Question 13**  
Not yet answered  
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Flag question

**What is true about constructors?**

Select one:

a. It can contain return type

b. It can take any number of parameters

c. It can have any modifiers

d. Constructor cannot throw an exception

[Clear my choice](#)

**Question 14**  
Not yet answered  
Marked out of 2.50  
Flag question

**What two statements are true about the result obtained from calling a `Math.random()`?**

1-The result is less than 0.0  
2-The result is greater than or equal to 0.0.  
3-The result is less than 1.0  
4-The result is greater than 1.0  
5-The result is greater than or equal to 1.0

Select one:

a. 1 and 2

b. 2 and 3

c. 3 and 4

d. 4 and 5

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4-The result is greater than 1.0  
5-The result is greater than or equal to 1.0

Select one:

- a. 1 and 2
- b. 2 and 3
- c. 3 and 4
- d. 4 and 5

[Clear my choice](#)

**Question 15**  
Not yet answered  
Marked out of 2.50  
Flag question

The \_\_\_\_\_ visibility modifier guards against inappropriate data access, and therefore promotes encapsulation.

Select one:

- a. static
- b. final
- c. public
- d. private

[Clear my choice](#)

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**Question 16**  
Not yet answered  
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Flag question

Methods declared as \_\_\_\_\_ cannot be overridden.

Select one:

- a. final
- b. public
- c. static
- d. private

[Clear my choice](#)

**Question 17**  
Not yet answered  
Marked out of 2.50  
Flag question

What will be the output of the program?

```
public class Comp231
{
    static boolean lb;
    public static void main(String [] args)
    {
        short hand = 42;
        if ( hand < 50 && lb )
            hand++;
        if ( hand > 50 );
        else if ( hand > 40 )
        {
```

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```
{
  static boolean b;
  public static void main(String [] args)
  {
    short hand = 42;
    if ( hand < 50 && !b )
      hand++;
    if ( hand > 50 );
    else if ( hand > 40 )
    {
      hand += 7;
      hand++;
    }
    else
      -hand;
    System.out.println(hand);
  }
}
```

Select one:

- a. 41
- b. 42
- c. 50
- d. 51
- e. Compiler Error

[Clear my choice](#)

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**Question 18**  
Not yet answered  
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**What will be the output of the program?**

```
public class Comp231
{
  final static short x = 2;
  public static int y = 0;
  public static void main(String [] args)
  {
    for (int z=0; z < 4; z++)
    {
      switch (z)
      {
        case x: System.out.print("0 ");
        default: System.out.print("def ");
        case x-1: System.out.print("1 ");
          break;
        case x-2: System.out.print("2 ");
      }
    }
  }
}
```

Select one:

- a. 0 def 1
- b. 2 1 0 def 1
- c. 2 1 0 def def
- d. 2 1 0 def 1 def 1

[Clear my choice](#)

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of 2.50  
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```
Scanner input = new Scanner (System.in);
ctrl = input.nextInt();
switch (ctrl) {
case 0:
case 1:
    System.out.print("red ");
case 2:
    System.out.print("blue ");
case 3:
    System.out.print("green ");
    break;
case 4:
    System.out.print("yellow");
}
System.out.println("");
```

Select one:

- a. blue green
- b. blue ✘
- c. green
- d. yellow
- e. blue green yellow

The correct answer is: blue green

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