Started on	Monday, 17 February 2025, 2:16 PM
State	Finished
Completed on	Monday, 17 February 2025, 2:35 PM
Time taken	18 mins 12 secs

Question 1

Complete

Marked out of 1.00

Given:

4. class Announce {

5. public static void main(String[] args) {

6. for(int __x = 0; __x < 3; __x++) ;

7. int #lb = 7;

8. long x[5];

9. Boolean []ba[];

10. }

11. }

What is the result? (Choose all that apply.)

- a. Compilation fails with an error on line 9
- b. Compilation fails with an error on line 8
- c. Compilation fails with an error on line 6
- d. Compilation fails with an error on line 7
- e. Compilation succeeds

Question 2

Complete

Marked out of 1.00

What is the output of the following code?

```
class Rope {
 public static int LENGTH = 5;
 static {
 LENGTH = 10;
 }
 public static void swing() {
 System.out.print("swing ");
 }
}

 class Chimp {
 public static void main(String[] args) {
 Rope.swing();
 new Rope().swing();
 System.out.println(Rope.LENGTH);
 }
}
```

- ○ a. Compiler error on line 2 of Chimp.
- ○ b. Compiler error on line 5 of Chimp.
- ○ c. Compiler error on line 6 of Chimp.
- ○ d. swing swing 5
- ○ e. Compiler error on line 7 of Chimp.
- ● f. swing swing 10

Question 3

Complete

Marked out of 1.00

Given:

3. public class Ouch {

4.   static int ouch = 7;

5.   public static void main(String[] args) {

6.   new Ouch().go(ouch);

7.   System.out.print(" " + ouch);

8.   }

9.   void go(int ouch) {

10.   ouch++;

11.   for(int ouch = 3; ouch < 6; ouch++)

12.   ;

13.   System.out.print(" " + ouch);

14. }

15. }

What is the result?

- a.   An exception is thrown at runtime

- b.   5 8

- c.   8 8

- d.   5 7

- e.   8 7

- f.   Compilation fails

Question 4

Complete

Marked out of 1.00

Given:

3. class Dozens {

4.   int[] dz = {1,2,3,4,5,6,7,8,9,10,11,12};

5. }

6. public class Eggs {

7.   public static void main(String[] args) {

8.   Dozens [] da = new Dozens[3];

9.   da[0] = new Dozens();

10.   Dozens d = new Dozens();

11.   da[1] = d;

12.   d = null;

13.   da[1] = null;

14.   // do stuff

15.   }

16. }

Which two are true about the objects created within main(), and eligible for garbage collection when line 14 is reached?

- a. Four objects were created
- b. Five objects were created
- c. One object is eligible for GC
- ☑ d. Two objects are eligible for GC
- e. Zero objects are eligible for GC
- ☑ f. Three objects were created
- g. Three objects are eligible for GC

Question 5

Complete

Marked out of 1.00

Given:

3. public class Dark {

4.   int x = 3;

5.   public static void main(String[] args) {

6.   new Dark().go1();

7.   }

8.   void go1() {

9.   int x;

10.   go2(++x);

11.   }

12.   void go2(int y) {

13.   int x = ++y;

14.   System.out.println(x);

15.   }

16. }

What is the result?

○ a.   2

○ b.   3

○ c.   4

◉ d.   Compilation fails

○ e.   An exception is thrown at runtime

○ f.   5

Question 6

Complete

Marked out of 1.00

Given:

3. class Beta { }

4. class Alpha {

5.   static Beta b1;

6.   Beta b2;

7. }

8. public class Tester {

9.   public static void main(String[] args) {

10.   Beta b1 = new Beta();   Beta b2 = new Beta();

11.   Alpha a1 = new Alpha();   Alpha a2 = new Alpha();

12.   a1.b1 = b1;

13.   a1.b2 = b1;

14.   a2.b2 = b2;

15.   a1 = null; b1 = null; b2 = null;

16.   // do stuff

17. }

18. }

When line 16 is reached, how many objects will be eligible for garbage collection?

◉ a. 3

○ b. 4

○ c. 5

○ d. 2

○ e. 1

○ f. 0

Question 7

Complete

Marked out of 1.00

What will be the output of the given code snippet?

public class Main

{

public static void main (String[ ] args)

{

float f = 66.6f ;

System.out.println((char) f) ;

}

}

- ○ a.   ASCII character for 67
- ○ b.   66.6
- ○ c.   66
- ◉ d.   ASCII character for 66

Question 8

Complete

Marked out of 1.00

What will be the output of the code given below?

class Main

{

    public static void main (String args[ ])

    {

      int n = 12345, i ;

      for (i = 0 ; i <= 3 ; i++)

        System.out.print (check (n)) ;

    }

    static int check (int n)

    {

       System.out.print (n % 10) ;

       n /= 10 ;

       return (0) ;

    }

}

- ○ a.   102030
- ○ b.   54321
- ◉ c.   50505050
- ○ d.   4321

Question 9

Complete

Marked out of 1.00

Which of the following statement is correct about the code snippet given below?

public class Main

{

public static void main (String[ ] args)

{

int i = + - 1234 ;

System.out.println (i) ;

}

}

- ○ a.   The code gives an output as -1234.
- ○ b.   The code causes an exception.
- ○ c.   The code reports an error.
- ○ d.   The code gives an output as 1234.

Question 10

Complete

Marked out of 1.00

What is the result of the following program?

1: public class Squares {

2: public static long square(int x) {

3: long y = x * (long) x;

4: x = -1;

5: return y;

6: }

7: public static void main(String[] args) {

8: int value = 9;

9: long result = square(value);

10: System.out.println(value);

11: } }

- ○ a.   81
- ○ b.   Compiler error on a different line.
- ○ c.   Compiler error on line 9.
- ○ d.   9
- ○ e.   -1

Question 11

Complete

Marked out of 1.00

What is the result of the following?

1: public class Order {

2: static String result = "";

3: { result += "c"; }

4: static

5: { result += "u"; }

6: { result += "r"; }

7: }

1: public class OrderDriver {

2: public static void main(String[] args) {

3: System.out.print(Order.result + " ");

4: System.out.print(Order.result + " ");

5: new Order();

6: new Order();

7: System.out.print(Order.result + " ");

8: }

9: }

- ○ a.   curur
- ○ b.   ucrcr
- ○ c.   u u ucrcr
- ○ d.   ur ur urc
- ○ e.   The code does not compile.
- ⦿ f.   u ucrcr
- ○ g.   u u curcur

Question 12

Complete

Marked out of 1.00

```java
class A {
int k;
 boolean istrue;
 static int p;
public void printValue() {
System.out.println(k);
System.out.println(istrue);
System.out.println(p);
}
}
 class Test{
 public static void main(String argv[]){
 A a = new A();
 a.printValue();
}
}
```

- ○ a.   0 false 0
- ○ b.   Compile error - static variable must be initialized before use.
- ○ c.   0 0 0
- ○ d.   0 true 0

Question 13

Complete

Marked out of 1.00

What is the output for the below code ?

public class Test{

int _$;

int $7;

int do;

 public static void main(String argv[]){

 Test test = new Test();

 test.$7=7;

 test.do=9;

 System.out.println(test.$7);

 System.out.println(test.do);

 System.out.println(test._$);

 }

}

○ a.   7 0 0

◉ b.   Compile error - do is not valid identifier.

○ c.   Compile error - $7 is not valid identifier.

○ d.   7 9 0

Question 14

Complete

Marked out of 1.00

what is the output of the below code?

```
class A {
 static
      {
        System.out.println("static");
    }


{
        System.out.println("block");
}

public A(){
System.out.println("A");
}

public static void main(String[] args){
A a = new A();
new A();
}
 }
```

- ○ a.   static A block static A block
- ○ b.   A block static A block static
- ◉ c.   static block A block A
- ○ d.   static block A static block A
- ○ e.   A

Question 15

Complete

Marked out of 1.00

What is the output for the below code ?

public class App {

   public static void main(String[] args) {

      System.out.println(args[1].length());

   }

}

java App "hello" world "this is test"

- ○ a. 5
- ○ b. 10
- ○ c. 1
- ○ d. 12