WEEK 12

CS23333-Object Oriented Programming Using Java-2023

Quiz navigation

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35

Show one page at a time

Finish review

Status	Finished
Started	Tuesday, 19 November 2024, 2:52 PM
Completed	Tuesday, 19 November 2024, 3:02 PM
Duration	9 mins 29 secs

Question 1
Complete
Marked out of 1.00
⚑ Flag question

Given the following,

```
public class BoolTest {
  public static void main(String[] args) {
    Boolean b1 = new Boolean("false");
    boolean b2;
    b2 = b1.booleanValue();
    if (!b2) {
      b2 = true;
      System.out.print("x ");
    }
    if (b1 & b2) {
      System.out.print("y ");
    }
    System.out.println("z");
```

Question 2
Complete
Marked out of 1.00
⚑ Flag question

A program uses the FileWriter constructor with the string "newFile.txt". What happens if "newFile.txt" already exists?

- a. The constructor returns null.
- b. The existing file is erased and replace with a new, empty one.
- c. The program exits.
- d. An exception is thrown.

Question 3
Complete
Marked out of 1.00
⚑ Flag question

What happens when the constructor for FileInputStream fails to open a file for reading?

- a. It returns null.
- b. It throws a ArrayIndexOutOfBoundsException.
- c. It throws a DataFormatException.
- d. It throws a FileNotFoundException.

Question 4
Complete
Marked out of 1.00
⚑ Flag question

What happens if readLine() encounters an error?

- a. It returns null
- b. Nothing; the program must examine the returned value to see if it makes sense.
- c. It throws an IOException.
- d. The program immediately halts.

Question 5

Complete

Marked out of 1.00

⚑ Flag question

The input/output package usually used with Java is:

- ○ a. java.inout
- ◉ b. java.file
- ○ c. java.io
- ○ d. java.input

Question 6

Complete

Marked out of 1.00

⚑ Flag question

Given the following code:

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

If the above code is compiled and run as follows

java Test Hello 1 2 3

What would be the output?

- ○ a. 2
- ◉ b. 4
- ○ c. 5

Question 7

Complete

Marked out of 1.00

⚑ Flag question

Can data flow through a given stream in both directions?

- ○ a. No; streams only work for output.
- ○ b. Yes; only one stream is needed to read and write a file.
- ○ c. Yes; but only one direction at a time.
- ◉ d. No; a stream has one direction only, input or output.

Question 8

Complete

Marked out of 1.00

⚑ Flag question

Given the following,

1. public class WrapTest3 {
2.   public static void main(String [] args) {
3.   String s = "98.6";
4.   // insert code here
5.   }
6. }

Which line inserted at line 4 will cause compiler errors?

- ◉ a. float f6 = (float) Double.parseDouble("3.14");
- ○ b. float f3 = new Float(3.14f).floatValue();

a. float f6 = (float) Double.parseDouble("3.14");

b. float f3 = new Float(3.14f).floatValue();

c. float f4 = Float.parseFloat(1.23f);

d. float f5 = Float.valueOf(s).floatValue();

Question 9

Complete

Marked out of 1.00

⚑ Flag question

Given the following,

```
public class NFE {
 public static void main(String[] args) {
 String s = "42";
 try {
 s = s.concat(".5");
 double d = Double.parseDouble(s);
 s = Double.toString(d);
 int x = (int) Math.ceil(Double.valueOf(s).doubleValue());
 System.out.println(x);
 } catch (NumberFormatException e) {
 System.out.println("bad number");
 }
 }
}
```
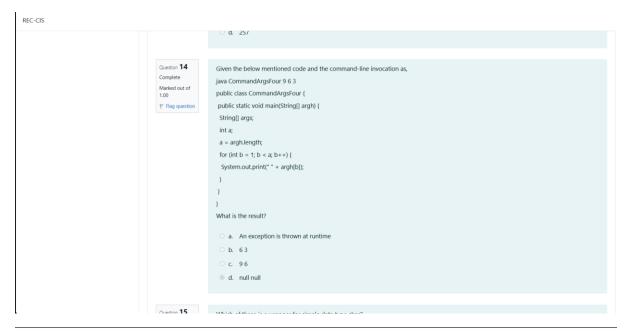
What is the result?

a. 43

b. 42

● c. bad number

d. 42.5

e. Compilation fails.

Question 10

Complete

Marked out of 1.00

⚑ Flag question

What will be the output of the following Java program?

```
1.  class Output
2.  {
3.      public static void main(String args[])
4.      {
5.          Long i = new Long(256);
6.          System.out.print(i.hashCode());
7.      }
8.  }
```

a. 256

● b. 256

Question 11

Complete

Marked out of 1.00

⚑ Flag question

Which one of the following options correctly reads a line of string from the console?

- a. BufferedReader br =new BufferedReader(new InputStreamReader(System.in));

  String str = br.readLine();

- b. String str = System.in.readLine();

  String str; System.in.scanf(str);

- ● c. BufferedReader br = new BufferedReader(System.in);

  String str = br.readLine();

- d. InputStreamReader isr = new InputStreamReader (new BufferedReader(System.in));

  String str = isr.readLine();

Question 12

Complete

Marked out of 1.00

⚑ Flag question

Given the below mentioned code

and the command-line invocation as,

java CommandArgsTwo 1 2 3

public class CommandArgsTwo {

public static void main(String[] argh) {

String[] args;

int x;

x = argh.length;

for (int y = 1; y <= x; y++) {

System.out.print(" " + argh[y]);

- a. An exception is thrown at runtime

- b. 1 2 3

- c. 0 1 2

- ● d. 0 0 0

Question 13

Complete

Marked out of 1.00

⚑ Flag question

What will be the output of the following Java program?

```
1.    class Output
2.    {
3.        public static void main(String args[])
4.        {
5.        Double i = new Double(257.578123456789);
6.            float x = i.floatValue();
7.            System.out.print(x);
8.        }
9.    }
```

- a. 257.57812

- b. 0

- ● c. 257.5781235

- d. 257

Question 11

Complete

Marked out of 1.00

⚑ Flag question

○ d. 257

Question 14

Complete

Marked out of 1.00

⚑ Flag question

Given the below mentioned code and the command-line invocation as,

java CommandArgsFour 9 6 3

```
public class CommandArgsFour {
public static void main(String[] argh) {
 String[] args;
 int a;
 a = argh.length;
 for (int b = 1; b < a; b++) {
  System.out.print(" " + argh[b]);
 }
}
}
```

What is the result?

○ a. An exception is thrown at runtime

○ b. 6 3

○ c. 9 6

◉ d. null null

Question 15   Which of these is a wrapper for simple data type char?

Question 15

Complete

Marked out of 1.00

⚑ Flag question

Which of these is a wrapper for simple data type char?

○ a. Character

○ b. String

◉ c. Integer

○ d. Float

Question 16

Complete

Marked out of 1.00

⚑ Flag question

What will be the output of the following Java program?

```
1.    class Output
2.    {
3.      public static void main(String args[])
4.      {
5.        Integer i = new Integer(257);
6.        float x = i.floatValue();
7.        System.out.print(x);
8.      }
9.    }
```

○ a. 0

◉ b. 257

Question 18

Complete

Marked out of 1.00

⚐ Flag question

What will be the output of the following Java program?

```
1.    class Output
2.    {
3.        public static void main(String args[])
4.        {
5.            Integer i = new Integer(257);
6.            byte x = i.byteValue();
7.            System.out.print(x);
8.        }
9.    }
```

- ○ a. 0
- ◉ b. 257
- ○ c. 256
- ○ d. 1

Question 19

Complete

Marked out of 1.00

⚐ Flag question

Which of the following opens the file "myData.stuff" for Input?

- ○ a. FileInputStream fis = new FileInputStream("myData.stuff", true)
- ○ b. DataInputStream dis = new DataInputStream("myData.stuff")
- ◉ c. FileInputStream fis = new FileInputStream("myData.stuff")

Question 20

Complete

Marked out of 1.00

⚐ Flag question

What will be the output of the following Java program?

```
1.    class Output
2.    {
3.        public static void main(String args[])
4.        {
5.        char a = (char) 98;
6.            a = Character.toUpperCase(a);
7.            System.out.print(a);
8.        }
9.    }
```
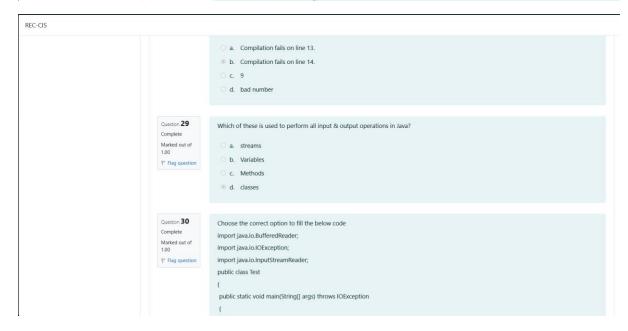
- ○ a. b
- ○ b. B
- ◉ c. C
- ○ d. c

Question 21

Complete

Marked out of 1.00

⚐ Flag question

Which of these is a super class of Character wrapper?

- ○ a. Long
- ○ b. Digits
- ○ c. Number
- ◉ d. Float

Question 22

Complete

Marked out of 1.00

⚐ Flag question

Given the following,

```
1. public class WrapTest3 {
2.    public static void main(String [] args) {
3.        String s = "98.6";
4.        // insert code here
5.    }
6. }
```

Which line inserted at line 4 will cause compiler errors?

- ○ a. float f6 = (float) Double.parseDouble("3.14");
- ◉ b. float f5 = Float.valueOf(s).floatValue();
- ○ c. float f3 = Float.valueOf(s);

Question 23

Complete

Marked out of 1.00

⚑ Flag question

Given the following,

```
1.  public class WrapTest2 {
2.    public static void main(String [] args) {
3.      Long b = new Long(42);
4.      int x = Integer.valueOf("345");
5.      int x2 = (int) Integer.parseInt("345", 8);
6.      int x3 = Integer.parseInt(42);
7.      int x4 = Integer.parseInt("42");
8.      int x5 = b.intValue();
9.    }
10. }
```

Which two lines will cause compiler errors?

- ○ a. Line 4 and 6
- ○ b. Line 3 and 4
- ○ c. Line 7 and 8
- ⦿ d. Line 5 and 6

Question 24

Complete

Marked out of 1.00

⚑ Flag question

What is the DataInputStream method that reads an int value?

- ○ a. read()
- ⦿ b. readInt()
- ○ c. ReadInt()
- ○ d. ReadInteger()

Question 25

Complete

Marked out of 1.00

⚑ Flag question

_____ class is used to increase the efficiency of input operations.

- ○ a. PipeInputStream
- ○ b. DataInputStream
- ⦿ c. BufferedInputStream
- ○ d. FileInputStream

Question 26

Complete

Marked out of 1.00

⚑ Flag question

Given the below mentioned code

and the command-line invocation as,

java CommandArgsThree 1 2 3

public class CommandArgsThree {
  public static void main(String[] args) {

Question 27

Complete

Marked out of 1.00

⚑ Flag question

Given the following code:

public class Foo {

 public static void main(String[] args) {

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

 }

}

If the above code is compiled and run as follows

java Foo Apples 9 8 7

What would be the output?

○ a. Apples

○ b. Foo

○ c. 9

◉ d. java

Question 28

Complete

Marked out of 1.00

⚑ Flag question

Given the following,

11.   try {

12.   Float f1 = new Float("3.0");

13.   int x = f1.intValue();

14.   byte b = f1.byteValue();

15.   double d = f1.doubleValue();

○ a. Compilation fails on line 13.

◉ b. Compilation fails on line 14.

○ c. 9

○ d. bad number

Question 29

Complete

Marked out of 1.00

⚑ Flag question

Which of these is used to perform all input & output operations in Java?

○ a. streams

○ b. Variables

○ c. Methods

◉ d. classes

Question 30

Complete

Marked out of 1.00

⚑ Flag question

Choose the correct option to fill the below code

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

public class Test

{

 public static void main(String[] args) throws IOException

 {

a. Integer.parseInt(br.readLine());

b. Integer.parseInteger(br.read());

c. Integer.parseInteger(br.readLine());

d. Int.parseInteger(br.readLine());

Question 31
Complete
Marked out of
1.00
⚑ Flag question

Given A.java contains

class A {public static void main(String... args) {}} // 1

and B.java contains

class B {protected static void main(String[] args) {}} // 2

What is the result of attempting to compile each of the two class declarations and invoke each main method from the command line?

a. Compile-time error at line 1.

b. Compile-time error at line 2.

c. An attempt to run A from the command line fails.

d. An attempt to run B from the command line fails.

Question 32
Complete
Marked out of
1.00

Given the below mentioned code and the command-line invocation as,

java CommandArgsFive 9 8 7 6

public class CommandArgsFive {

Question 33
Complete
Marked out of
1.00
⚑ Flag question

What is the ancestor class of all character-oriented input streams?

a. WeeklyReader

b. BufferedReader

c. Reader

d. FileReader

Question 34
Complete
Marked out of
1.00
⚑ Flag question

What will be the output of the following Java program?

1. class Output
2. {
3.   public static void main(String args[])
4.   {
5.   String str = "true";
6.   boolean x = Boolean.valueOf(str);
7.   System.out.print(x);
8.   }
9. }

a. False

b. Compilation Error

c. True

- a. False
- b. Compilation Error
- c. True
- d. Runtime Error

Question **35**
Complete

Marked out of
1.00

⚑ Flag question

Given the following,

1. public class WrapTest3 {
2.   public static void main(String [] args) {
3.   String s = "98.6";
4.   // insert code here
5.   }
6. }

Which line inserted at line 4 will cause compiler errors?

- a. float f3 = new Float(3.14f).floatValue();
- b. float f5 = Float.valueOf(s).floatValue();
- c. float f6 = (float) Double.parseDouble("3.14");
- d. float f1 = Float.floatValue(s);