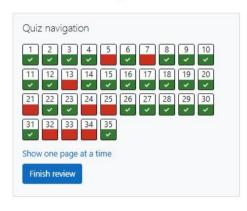
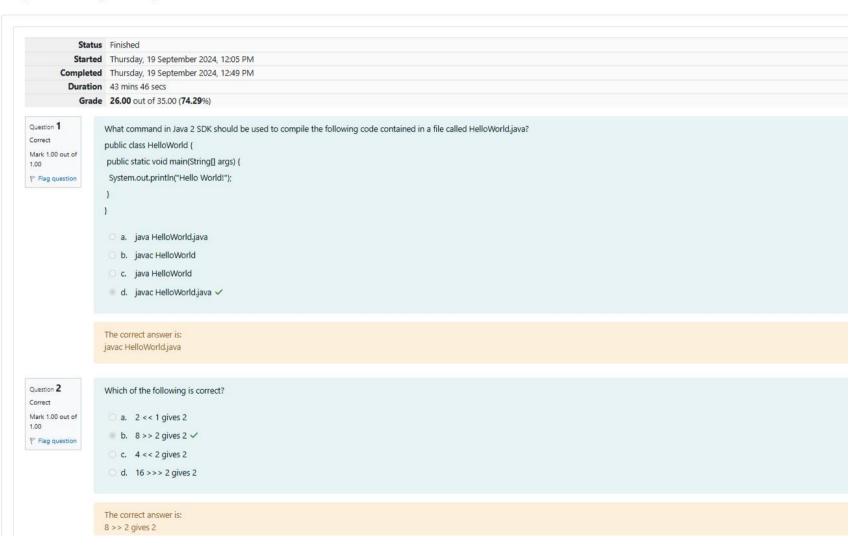
CS23333-Object Oriented Programming Using Java-2023





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Question 3
                    Suppose you have four int variables: x, y, z, and result.
Correct
                    Which expression sets the value of z to x if result has a value of 1, and the value of y to x otherwise?
Mark 1.00 out of
1.00
                     a. x = (result == 1): z? y;
F Flag question
                     b. x = (result == 1): y? z;
                     c. x = (result == 1) ? y : z;

    d. x = (result == 1) ? z : y; 
✓
                    The correct answer is:
                    x = (result == 1) ? z : y;
Question 4
                    Which primitive type ranges from -2^15 to (2^15)-1?
Correct
Mark 1.00 out of
                     a. short 🗸
1.00
                     Ob. byte
Flag question
                     C. int
                     O d. char
                    The correct answer is:
                    short
Question 5
                    Given:
Incorrect
                    int a = 4;
Mark 0.00 out of
                    byte b = 0;
1.00
                    Which line assigns the value of a to b?
F Flag question
                     a, b = a;
                     b. b = byte(a); X
                     o. b = (byte) a;
                     d. b = byte a;
```

	The correct answer is: b = (byte) a;
Question 6 Correct Mark 1.00 out of 1.00 F Flag question	Which range of values is valid for all integral types, where n is the number of bits? a2^(n-1) to 2^(n-1)-1 ✓ b2^(n-1) to 2^(n-1)+1 c2^ 1 to 2^(n-1)-1 d. 2^(n-1) to 2^(n+1)+1
	The correct answer is: -2^(n-1) to 2^(n-1)-1
Question 7 Incorrect Mark 0.00 out of 1.00 Flag question	Which one of these lists contains only Java programming language keywords? a. strictfp, constant, super, implements, do × b. goto, instanceof, native, finally, default, throws c. class, if, void, long, Int, continue d. byte, break, assert, switch, include
	The correct answer is: goto, instanceof, native, finally, default, throws
Question 8 Correct Mark 1.00 out of 1.00 P Flag question	What is the value of -32 % 6? a2 ✓ b5 c. 5 d. 2
	The correct answer is: -2

100,000

Question 9 Correct Mark 1.00 out of 1.00 F Flag question	Which one of the following is a short-circuit operator? a. ^ b. && c. & d.
	The correct answer is:
	8.8.
Question 10 Correct Mark 1.00 out of 1.00 Frag question	Which of the following variable initialization is invalid? a. byte myByte=254; ✓ b. double myDouble=12341.509D; c. long myLong=45678L; d. int myInt = 0xFACE;
	The correct answer is:
	byte myByte=254;
Question 11 Correct Mark 1.00 out of 1.00 F Flag question	Which of the following is a non-primitive data type in Java? □ a. int □ b. float □ c. String ✓ □ d. double
	The correct answer is:
	String String

Question 12 Which of the following primitive data type is an integer type? Correct Mark 1.00 out of a. double 1.00 O b. boolean F Flag question C. float ⊚ d. byte ✓ The correct answer is: byte Question 13 Given char c = 'A'; Incorrect What is the simplest way to convert the character value in c into an int? Mark 0.00 out of 1.00 a. int i = (int) c; Flag question b. int i = Character.getNumericValue(c); X c. int i = int (c); d. int i = c; The correct answer is: int i = c; Question 14 What is the numerical range of a char? Correct Mark 1.00 out of a. 0 to 65535

✓ 1.00 O b. 0 to 32767 P Flag question C. -(2 ^ 15) to (2 ^ 15) - 1 O d. -128 to 127 The correct answer is: 0 to 65535

Question 15	What will happen if you try to compile and run the following code?
Correct Mark 1.00 out of	int a = 200;
1.00	byte b = a;
P Flag question	System.out.println("The value of b is " + b);
	a. It will compile but cause an error at runtime
	○ b. It will compile and print The value of b is -56
	C. It will compile and print The value of b is 200
	⊕ d. Compile-time error ✓
	The correct answer is: Compile-time error
	compile with circo.
Question 16 Correct	Which one of the following primitive type conversion is permitted implicitly without using casting?
Mark 1.00 out of	O a. long to int
1.00	■ b. float to double ✓
F Flag question	C. double to long
	O d. double to float
	The correct answer is: float to double
2-	
Question 17 Correct	Why is the main() method special in Java program?
Mark 1.00 out of	a. The main() method must be the only static method in a program.
1.00	
₹ Flag question	C. Every class must have a main() method.
	Od. Only the main() method may create objects.
	The correct answer is: It is where the execution of a Java program starts.

Question 18 Correct Mark 1.00 out of 1.00 F Flag question	Given the following code snippet: double sum = 10.0, price=100; sum += price>=100 ? price*1.1 : price; What value is placed in sum? Choose the most appropriate answer. a. 90 b. 100 c. 110 d. 120 ✓
Question 19 Correct	The correct answer is: 120 Which is a reserved word in the Java programming language?
Mark 1.00 out of 1.00 F Flag question	 a. native b. subclasses c. method d. reference
	The correct answer is: native
Question 20 Correct Mark 1.00 out of 1.00 Filag question	Which of the following keywords is reserved but not used in Java? □ a. unsigned □ b. constant □ c. const ✓ □ d. delete
	The correct answer is:

	const
Question 21 Incorrect Mark 0.00 out of 1.00 F Flag question	Which of the following is a valid declaration of String? a. String S2=null; b. String S3 = (String) 'face'; c. String S4=(String)\ufeed; d. String S1='null'; ×
	The correct answer is: String S2=null;
Question 22 Correct Mark 1.00 out of 1.00 F Flag question	The primitive type char in Java consists of: a. 16 bits b. 8 bits c. 24 bits d. 32 bits
	The correct answer is: 16 bits
Question 23 Correct Mark 1.00 out of 1.00 P Flag question	Which of the following is a valid declaration of boolean? □ a. boolean b2 = no; □ b. boolean b3 = yes; □ c. boolean b4 = false; ✓ □ d. boolean b5 = Boolean.false();
	The correct answer is: boolean b4 = false;

Question 24 What is the default data type of the literal represented as 48.0? Incorrect Mark 0.00 out of a. float X O b. int F Flag question C. double d. byte The correct answer is: double Ouestion 25 If x, y, and z are all integers, which expression will produce a runtime error? Incorrect NOTE: The expressions are always evaluated with all the integers having a value of 1. Mark 0.00 out of 1.00 ○ a. z = y%--x P Flag question b. z = y/x--; × C, z = x/y--; \bigcirc d. z = -x/x; The correct answer is: z = y%--x Question 26 Which of the following is correct? Correct 128>>> 1 gives Mark 1.00 out of 1.00 a. 64 ✓ F Flag question O b. -32 O c. -64 O d. 32 The correct answer is:

Question 27 Which of the following is a valid Java identifier? Correct Mark 1.00 out of a. 3numbers 1.00 O b. @attherate F Flag question Od. %percent The correct answer is: _underscore Question 28 If i is an int and s is a short, how do you assign i to s? Correct Mark 1.00 out of a. s = i; b. i = (int) s; P Flag question ⊚ c. s = (short) i; ✓ O d. i = s; The correct answer is: s = (short) i; Question 29 Which of the following is a valid initialization? Correct Mark 1.00 out of a. int i = 0xDeadCafe:
✓ 1.00 b. boolean b = TRUE; P Flag question oc. long I = 79,653; d. float f = 27.893; The correct answer is: int i = 0xDeadCafe; Question 30 Which and of the below supercrian is equivalent to 15 x 22

Question 30 Correct Mark 1.00 out of 1.00 Flag question	Which one of the below expression is equivalent to 16>>2? a. 16*4 b. 16/4 c. 16*2 d. 16/2
	The correct answer is: 16/4
Question 31 Correct Mark 1.00 out of 1.00 F Flag question	What is the value of x after this code is run? int $x = 3$; int $y = 3$; x + = (y + x * 2); a. $12 \checkmark$ b. 9 c. 11 d. 10
	The correct answer is: 12
Question 32 Incorrect Mark 0.00 out of 1.00 P Flag question	Given a variable x of type int (which can contain a negative value), which of these expressions always gives a positive number irrespective of the value of x? a. x >> 1; b. x >>> 1; c. x << 1; d. x << 2;
	The correct answer is: x >>> 1;

Question 33 Which primitive type ranges from -2^31 to (2^31)-1? Incorrect Mark 0.00 out of a. byte 1.00 O b. int F Flag question c. short X d. long The correct answer is: int Question 34 Given: Incorrect int x = 7: Mark 0.00 out of x <<= 2: 1.00 What best describes the second line of code? F Flag question a. It assigns the value to x after shifting 2 to x places left. b. It is invalid because there is no such operator as <<=.</p> c. It assigns the value of 2 to x, and shifts it to left by one place. X d. It assigns the value to x after shifting x to 2 places left. The correct answer is: It assigns the value to x after shifting x to 2 places left. Question 35 Given a variable x of type int (which contains a positive value), which is the correct way of doubling the value of x, barring any wrapping of out-of-range intermediate values? Correct Mark 1.00 out of a. x >> 1; b. x << 1; ✓
</p> P Flag question ○ c. x << -1; O d. x>>> 1; The correct answer is: x << 1;