Final-Quiz At

Due No due date

Points 200

Questions 20

Available until Apr 29 at 7:04pm

Time Limit 21 Minutes

Instructions

Each question will be shown ONLY once.

You will not be able to revisit the same question again, so make sure to MARK the answer for each question and only then move to the next question. Each question is weighed differently. Please answer carefully high-weightage questions.

The total number of questions in the quiz is 20. Manage your time accordingly.

DO NOT CLICK THE SUBMIT QUIZ BUTTON BY MISTAKE. You will not be given a second attempt.

Wish you the best!

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	21 minutes	110 out of 200

(!) Correct answers are hidden.

Score for this quiz: 110 out of 200

Submitted Apr 29 at 6:39pm

This attempt took 21 minutes.

Incorrect

Question 1

0 / 10 pts

Which one of the following creates a thread pool that creates new threads as needed, but will reuse previously constructed threads when they are available

- Executors.newCachedThreadPool
 correct answer
- Executors.newScheduledThreadPool
- Executors.newFixedThreadPool
- Executors.newSingleThreadExecutor

Question 2	5 / 5 pts
Which of the following is incorrect for polymorphism	
O Polymorphism concept is the feature of object-oriented programming (OOP)	
It always increases the overhead of function definition	
Ease in the readability of the program	
O Polymorphism helps in redefining the same functionality	

Incorrect Question 4 0 / 10 pts

Which of the following is/are true about interface class:

all of the above

contains only unimplemented met

interface in Java always has at least one unimplemented method, which is an abstract method. However, starting from Java 8, interfaces can also have default methods or static methods that provide an implementation. So, while traditional interfaces only have unimplemented methods, modern interfaces may include methods with default implementations.

contains only final variab		
none of the above	correct answer	

Choose one of the following lines that has an OBVIOUS coding ERROR? ArrayList<String> names = new ArrayList<String>(); List<> names = new ArrayList<>(); List<String> names = new ArrayList<>(); List<String> names = new ArrayList<>();

Question 6

Select a statement that is true about Lambda expression in Java 8.

Lambda expressions enable functions to be passed as an argument.	correct answer
It is neither a function nor an interface	
Lambda is denoted with => sign.	
None of these	

Select the correct way from below options to achieve a parameter less Lambda expression. Need to pass curly braces to denotes that there are no parameter on left side of the arrow. Pass empty set of parentheses on the left side of the arrow. In this particular case arrow is not required at all. Not passing anything on the left side of the arrow.

Incorrect Question 8 0 / 10 pts

Why does the following line of code throws error:
List<int> list = new ArrayList<int>();
(answer only in lowercase)

integer

int

Which two features of object-oriented programming are the same?

© Encapsulation and Abstraction

Cencapsulation and Polymorphism features are the same

Inheritance and Encapsulation features are the same

Abstraction and Polymorphism features are the same

Question 10 20 / 20 pts

/e ca	n not create instance of
V	Abstract Class
	Anonymous Class
	Nested Class
	Parent Class

Question 11	20 / 20 pts
Given the following code fragment: List <string> names = new ArrayList<>(); Choose, from the following, the most appropriate answer or answers. SELECT WHICH S.O.L.I.D. design principles this java code statement CLEARLY AND demonstrates.</string>) OBVIOUSLY
Liskov substitution principle	
Open Closed principle	
☐ Interface Segregation Principle	

Dependency Inversion principle	
Sole Responsibility Principle	

When instantiating a HashMap class for an associative container, BEST PRACTICE is to define the variable as type _____. (Type the answer below)

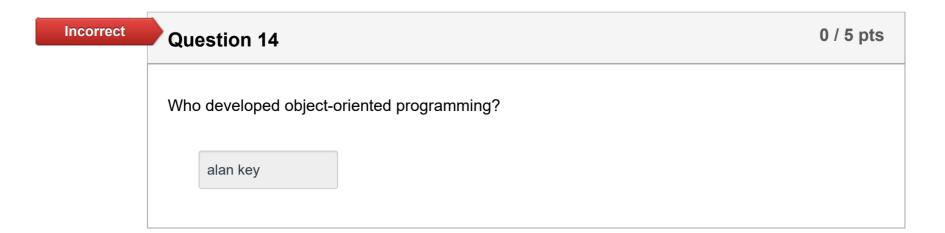
Which of the following are true for Enum:

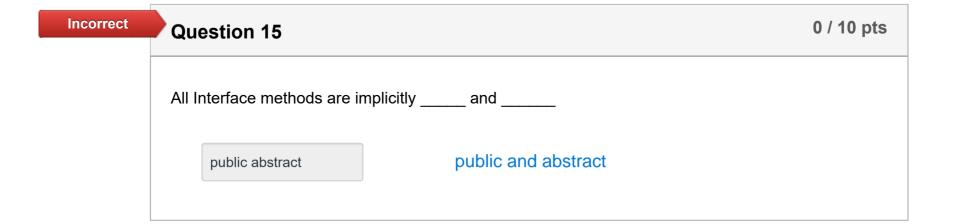
Prefer over integer or string codes to increase compile-time checking

Declared as class data member

all of the above

, I		
	are mutable and tehre value can be changed later	
	Can have constructors, methods and variables	correct answer





Question 16 0 / 10 pts

If my multithreaded code required a sequential container, I would use the _____ class. (Type the answer)

Runnable

Vector

Incorrect

Question 17 0 / 4 pts

```
What will be the correct output for below code snippet?
class static out
static int x;
static int y;
void add(int a, int b)
                         2,3
                                            5,2
x = a + b;
                        8
y = x + b;
                                            9
public class static_use
```

```
public static void main(String args[])
static_out obj1 = new static_out();
static_out obj2 = new static_out();
int a = 2;
obj1.add(a, a + 1);
obj2.add(5, a);
System.out.println(obj1.x + " " + obj2.y);
   77.4
                            correct answer
   79
    97
    6 6.4
```

Incorrect

Question 18

0 / 2 pts

ne return type cannot be the same in case of method overriding			
False	correct answer		
True			

Question 19	10 / 10 pts
<pre>Write done output of the following program. class Driver { public static void main(String args[]) { final int x; x = 89; x = 64; System.out.println(x); } }</pre>	
O 0	
O 64	
Compile Error	
O 89	

Unanswered

Question 20 0 / 15 pts

```
What will be the output of the following program. Type your answer below.
class Driver (SEP)
                                              {|L
|SEP
  public static void main (String[] args)
     int arr1[] = \{4, 6, 8\};
      int arr2[] = \{4, 6, 8\};
      if (arr1 == arr2)
         System.out.println("You");
      else
        System.out.println("Me");
                                           Me
```

Quiz Score: 110 out of 200