Java Recap

Win up to 1,000 points per answer

Which one of these are not associated with program compilation and execution?

JRE *java run time enviroment*

50%

✅ JDK *java development kit → use when u writing the code. (like java-util, system.out .etc)*

50%

JIT

0%

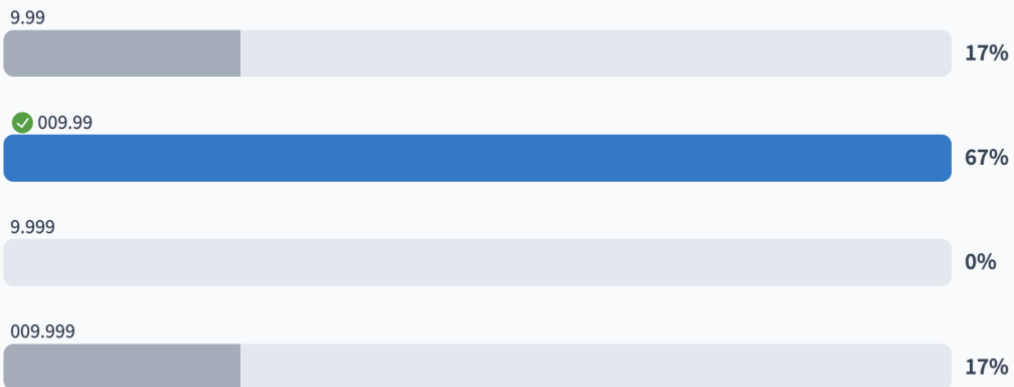JVM *virtual machine, which will run bytecode thing.*

0%

What does this print?
System.out.printf("%06.2f%n", 9.999);

o o 9.99

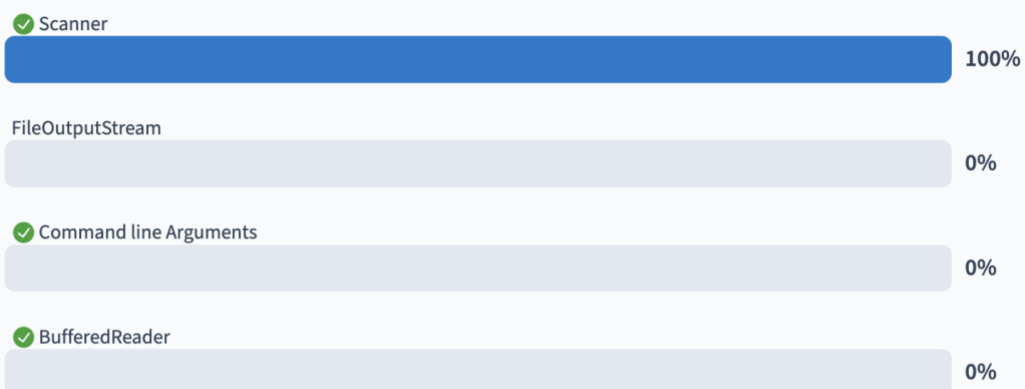9.99

17%

✅ 009.99

67%

9.999

0%

009.999

17%

You can take inputs by using these (individually or with some other classes)

multiple choice.

✅ Scanner

100%

FileOutputStream

0%

✅ Command line Arguments

0%

✅ BufferedReader

0%

If x = 2 and y = 3 , what will be the value of y after the statement
boolean a = (x + 3) > 5 && --y > 0;

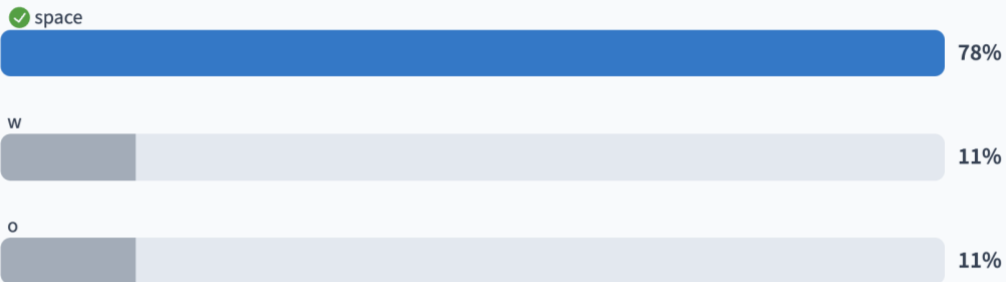the first statement is incorrect . so the second statement not excuted

2

38%

✓ 3

63%

What is the output for this?
System.out.println("Hello world".charAt(5));

0 12345

✓ space

78%

w

11%

o

11%

How many times the loop runs?

```
int a = 2;
do{
a--;         a = 1
}while(a>1);   1>1 == false    ⇒ so only run one time
```

2
33%

✅ 1
67%

0
0%

Objects are passed by value whereas primitives are passed by reference to method arguments?

object pass by reference, primitive pass by value.

True
29%

✅ False
71%

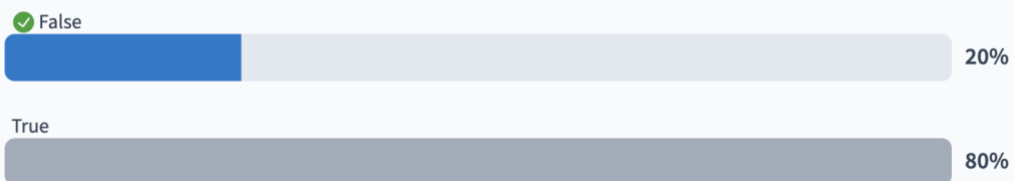interface , array of integer inside, also
pass by reference.

All constants should be made final static?

True

60%

✅ False

40%

Java does not allow static classes but methods and variables can be made static.

we do have static class

✅ False

20%

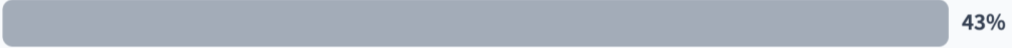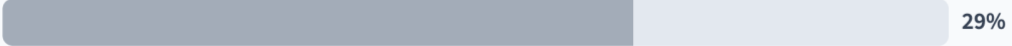True

80%

Integer i = 42; is a valid statement because Java does

Object class

auto unboxing

43%

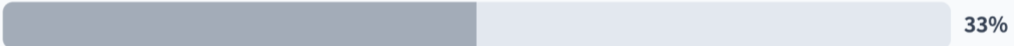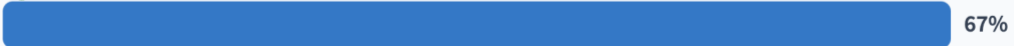smaller sized primitives can be converted into larger primitives

29%

✅ *(autoboxing)*

29%

Why

An enums is stored internally as an integer.

False

33%

✅ True

67%

Green . Yellow . Red
⊙   1   2

⇒ see in lecture side
        in week 4

I made wrong answer

What is the output for this?
int[] a = {2,3,4};
System.out.println(a.size());

size use in ArrayList
array use length

3

25%

2

0%

✓ compile time error

75%

run time error

0%

Select the incorrect statement

Import statements should be the first statement in a class

14%

package and import statements can be interchanged

14%

✓ package should be the first statement in a class

71%

Select the correct pillars of Object Oriented Programming.

think of overloading and overriding

data variable, method are wrapped in the class

inheritance from the parent class.

polymorphism, abstraction, encapsulation, inheritance.

✅ Polymorphism — 75%

Coupling — 13%

you hiding the not necessary details for the user. | ex: private variable and methods

✅ Inheritance — 0%

Generics — 13%

Wrong

Abstract classes must have an abstract method. If they dont have an abstract method you will get

compile time error — 38%

runtime error — 0%

✅ you cannot make objects of them — 25%

none of the above — 38%

Watch these part again.

overloading = early binding

overriding is also called

early binding — 0%

✓ late binding — 17%

static polymorphism — 0%

✓ dynamic polymorphism — 83%
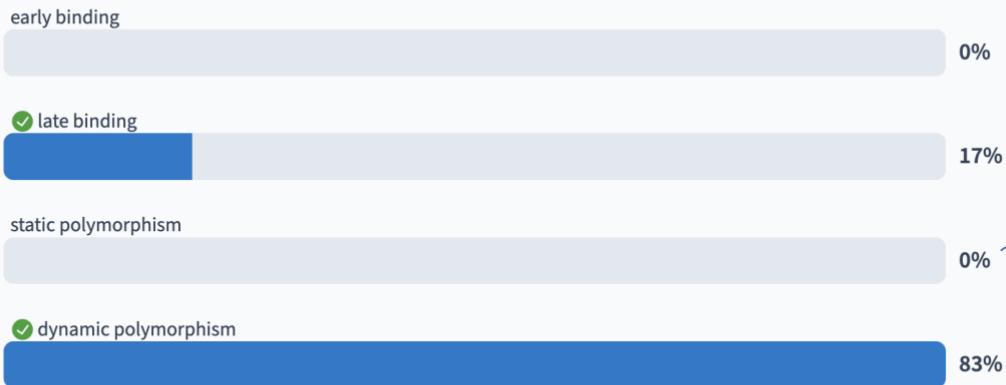
overriding

overloading

methods in interfaces needs to be defined public.

It's automatic public
you can ⟹ void drive()

✓ False — 57%

True — 43%

An interface cannot be extended
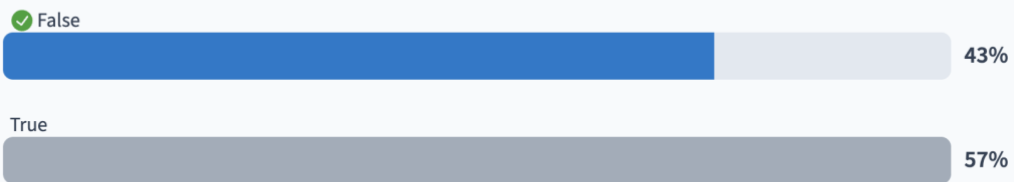
False ✓
43%

True
57%

The method that raises/throws exception should also catch the exception
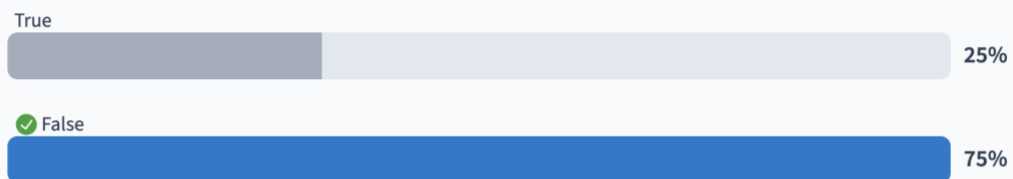
True
25%

False ✓
75%

You cannot nest multiple catch blocks
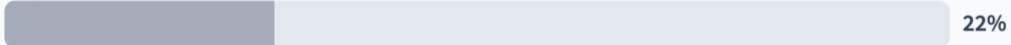
✓ False

100%

True

0%
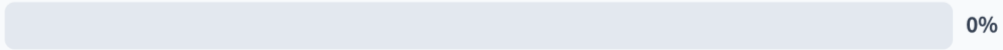
All Exceptions classes must inherit from

↗ All class are inhent from Object
but you do not need to do this one yourself.
(automatic done)

Object

22%

✓ Exception

78%
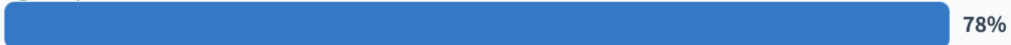
BufferedReader can read binary files as well

can only read text file.

No ✓
11%

Yes
89%
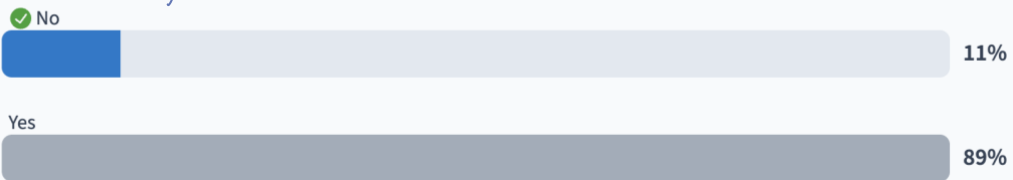
What are the valid filenames that java can read

not care about the file extension

all of them

✓ test.doc
0%

✓ test.txt
78%

✓ testtest
22%

✓ test.abc
0%
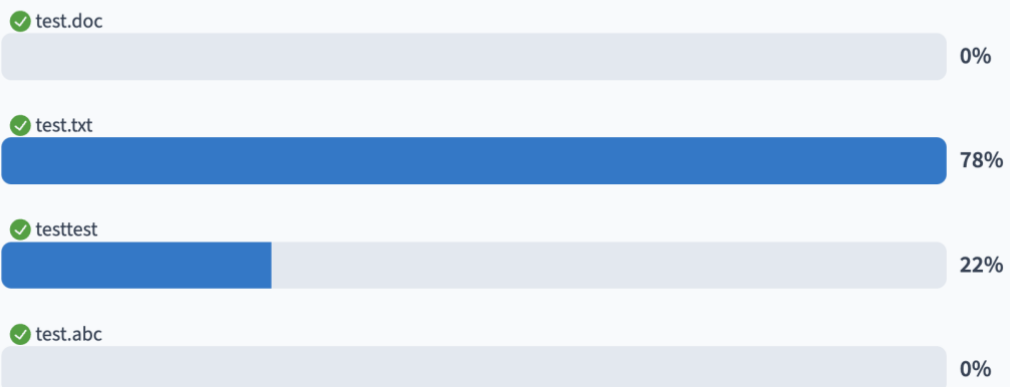
When you define a generic *public class SomeClass* you can only define methods with the type T.

✅ False

78%

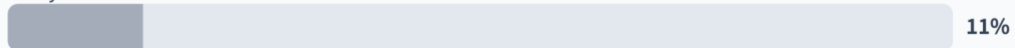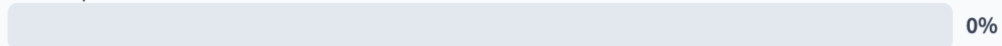True

22%
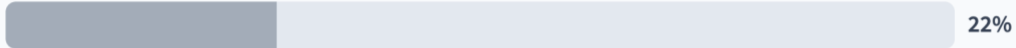
Read this part again.

Which of the following do not belong to CollectionsFramework?

ArrayList

11%

HashMap

0%
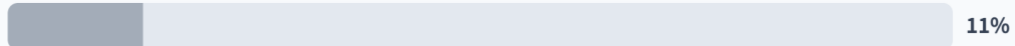
✅ MapList   *a key as string and then the value is a list*

78%

HashSet

11%