

Practice Test of Java Basics 3

Total points 49/50



TE - A, B and C (2020-2021)

The respondent's email address (**ameythakur@ternaengg.ac.in**) was recorded on submission of this form.

✗ Can we override static methods of a class?

.../1

☐ Yes

☒ No



No correct answers

☒ Option 1

☒ Option 1



✓ Using _____ we can ensure that only one thread can use the shared resource at a time and others can get control of the resource only once it has become free from the other one using it. 1/1

- ☒ synchronized
- ☐ asynchronized
- ☐ runnable
- ☐ serializable



Roll No

50

✓ If we declare the _____ as private, it will not be accessible by any other class and hence, no other class will be able to instantiate it and formation of its object will be limited to itself only. 1/1

- ☐ main method of a class
- ☒ constructor of a class
- ☐ all methods of a class
- ☐ any one method pf a class



Specify different states of a thread

	Ready	running	dead	Waiting	missing	Score	
When a thread is created, it's in _____	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
A thread which has gone after execution is in _____	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
A thread currently being executed is in _____.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
A thread in search of another thread to free certain resources is in _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	1/1	✓

✓ _____ is a programming concept to run multiple tasks in a concurrent manner within a single program. 1/1

- ☐ Multitasking
- ☐ Multi level Inheritance
- ☒ Multi threading
- ☐ Multi Programming



✓ _____ methods can't be overridden in any class

1/1

- ☐ already over rided
- ☐ constructor
- ☐ user defined
- ☒ Static



✓ If an exception is not handled in a program using try catch blocks, program gets _____

1/1

- ☐ compilation error genrated
- ☒ aborted
- ☐ runs with error type
- ☐ automatically handeled by compiler



✓ A variable _____ at the same time.

1/1

- ☐ can be staic and final
- ☐ can be static as well as local
- ☒ can't be static as well as local
- ☐ can be static. final as well as local



✓ If we want to execute any statements before even creation of objects at load time of class, we can use a _____ in the class. 1/1

- ☐ default block of code
- ☐ public block of code
- ☐ final block of code
- ☒ static block of code



✓ If we want a class not to be extended further by any class, we can use the keyword _____ with the class name. 1/1

- ☐ private
- ☐ static
- ☒ final
- ☐ protected



✓ Can we declare a class as Abstract without having any abstract method? 1/1

- ☐ No
- ☒ Yes



✓ An _____ loop runs without any condition and runs infinitely. It can be broken by defining any breaking logic in the body of the statement blocks. 1/1

- ☐ For
- ☒ infinite
- ☐ while
- ☐ do-while



✓ Sub-class can access all _____ methods and fields of its super class. 1/1

- ☐ Private and protected
- ☐ public and private
- ☒ public and protected
- ☐ only public



✓ In the below example, how many String Objects are created? String s1="I am Java Expert"; String s2="I am C Expert"; String s3="I am Java Expert"; 1/1

- ☐ Three
- ☐ One
- ☒ Two



✓ _____ operator , also called conditional operator is used to decide which value to assign to a variable based on a Boolean value evaluation. 1/1

- ☐ Unary
- ☐ Binary
- ☒ Ternary
- ☐ Conditional



✓ Even if no explicit constructor is defined in a java class, objects get created successfully as a default constructor is implicitly used for object creation. This constructor has _____, 1/1

- ☐ all parameters.
- ☒ no parameters.
- ☐ attributes with default values
- ☐ with default parameters



✓ Can we declare the main method of our class as private? 1/1

- ☒ No
- ☐ Yes



✓ Can a class be a super class and a sub-class at the same time?

1/1

☒ Yes



☐ No

✓ In java, we can pass argument to a function only by

1/1

☒ value and not by reference.



☐ value and value by reference.

☐ not value but value by reference.

☐ neither by value nor value by reference.

✓ Can a class have multiple constructors?

1/1

☒ Yes



☐ No

TE- DIV

☐ A

☒ B

☐ C



✓ Can we have two methods in a class with the same name?

1/1

☒ Yes



☐ No

✓ Is JDK required on each machine to run a Java program?

1/1

☐ Required

☒ Not required



✓ Which of the following classes will have more memory allocated? Class A: Three methods, four variables, no object Class B: Five methods, three variables, no object 1/1

☐ class A

☐ class B

☐ Both get same amount of memory

☒ No memory allocated



✓ Can we call the constructor of a class more than once for an object?

1/1

☐ Yes

☒ No



Please choose the topics in which you want the programs as an assignment. (note that you will be doing these on your own)

- ☒ Strings
- ☒ Mathematics
- ☒ Numerical methods
- ☒ Data structures and algorithms
- ☒ Graphics
- ☒ Mini Project
- ☐ Option 7

✓ An _____ class is a class which is nested within another class. 1/1

- ☐ sub
- ☐ parent
- ☐ super
- ☒ Inner



✓ Can we use a default constructor of a class even if an explicit constructor is defined? 1/1

- ☐ Yes
- ☒ No



✓ Can a constructor have different name than a Class name in Java? 1/1

☐ Yes

☒ No



Name

Amey Thakur

✓ What's the base class in Java from which all classes are derived? 1/1

☐ java.lang.class

☒ java.lang.object

☐ java.util.object

☐ java.lang.System



✓ A _____ class in java can have only one instance and hence all its methods and variables belong to just one instance. 1/1

☒ singleton

☐ private

☐ super

☐ sub class



✓ When there is a requirement to share a method or a variable between multiple objects of a class instead of creating separate copies for each object, we use _____ keyword to make a method or variable shared for all objects. 1/1

- ☐ private
- ☒ static
- ☐ constant
- ☐ final



✓ In java, main() method _____ return any data and hence, it's always declared with a void return type. 1/1

- ☒ can't
- ☐ can
- ☐ default value
- ☐ static



✓ Can we use goto in Java to go to a particular line? 1/1

- ☐ Yes
- ☒ No



✓ Method, Field, the class can be accessed only from the same package and not from outside of it's native ackage. are known as _____. 1/1

- ☐ Protected
- ☐ Private
- ☐ Public
- ☒ Default



✓ In java, when an object is _____, garbage collection 1/1 takes place and the object is destroyed automatically.

- ☒ not referenced any more
- ☐ referenced
- ☐ created
- ☐ not created



✓ What will be the output of following piece of code? int x = 4, y=6; 1/1
system.out.println(x++, ++y);

- ☐ 5
- ☒ 4
- ☐ 6
- ☐ 7



✓ to convert an object into byte stream java uses _____ interface . 1/1

- ☐ streamable
- ☐ organisale
- ☒ serializable
- ☐ bufferrReader



✓ What's the difference between an array and Vector? 1/1

- ☐ An array groups data of same primitive type and is not static in nature while vectors are dynamic in nature and can not hold data of different data types
- ☒ An array groups data of same primitive type and is static in nature while vectors are dynamic in nature and can hold data of different data types
- ☐ An array groups data of any primitive type and is static in nature while vectors are static in nature and can hold data of different data types
- ☐ An array groups data of same primitive type and is dynamic in nature while vectors are dynamic in nature and can hold data of different data types



✓ Is String a data type in java? 1/1

- ☐ Yes
- ☒ No



✓ Serialization is used when data needs to be

1/1

- ☒ transmitted over the network.
- ☐ transferred to RAM
- ☐ saved to hard disk
- ☐ access from harddisk



Which of the below in Java is called as Immutable?

- ☒ Float
- ☐ String
- ☐ Integer
- ☐ Double

Specify the access scope of the following

	class	package	subclass	world	Score	
public	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
protected	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
default	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓
private	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1/1	✓



✓ Can we override a method by using same method name and arguments but different return types? 1/1

☐ Yes

☒ No



✓ _____ helps programmers to follow a modular approach for software development as each object has its own set of methods and variables and serves its functions independent of other objects. 1/1

☐ Abstraction

☐ Polymorphism

☒ Encapsulation

☐ Over riding



✓ An _____ has access rights for the class which is nesting it and it can access all variables and methods defined in the outer class. 1/1

☒ Inner class

☐ outer class

☐ super

☐ child class



✓ _____ is single precision floating point decimal number while

1/1

- ☐ double
- ☐ integer
- ☒ Float
- ☐ byte



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