

Practice Test of Java Basics

Total points 37/37 ?

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

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

✓ Java Programs run inside a _____

1/1

- ☐ Program
- ☐ OS
- ☐ Compiler
- ☒ virtual machine sandbox



✓ C++ supports multiple inheritance and Java also support multiple inheritance through class.

1/1

- ☒ False
- ☐ True



✓ C++ uses compiler only. C++ is compiled and run using the compiler which converts source code into machine code so, C++ is platform dependent.

1/1

- ☒ True
- ☐ False



✓ String[] args is used for _____.

1/1

- ☒ command line argument
- ☐ accessing Object
- ☐ Accessing value
- ☐ Accessing String value



✓ Having a semicolon at the end of class is optional in Java.

1/1

- ☒ True
- ☐ False



✓ void is the return type of the method. It means it returned any value.

1/1

- ☐ True
- ☒ False



✓ The java main method can be written as : i) public static void main(String[] args) ii) public static void main(String []args) iii) public static void main(String args[]) .

1/1

- ☐ Only iii is correct
- ☐ Only i and iii are correct
- ☐ Only ii and iii are correct
- ☒ All are correct



✓ Since Java has a runtime environment (JRE) and API, it is called a 1/1

_____.

- ☒ Platform
- ☐ Package
- ☐ Interface
- ☐ Language



TE- DIV

- ☐ A
- ☒ B
- ☐ C

✓ main represents the starting point of the program. 1/1

- ☒ True
- ☐ False



✓ class keyword is not used to declare a class in java. 1/1

- ☐ True
- ☒ False



✓ Java is robust because: i) It uses strong memory management. ii) There is a lack of pointers that avoids security problems. iii) There is automatic garbage collection in java which runs on the Java Virtual Machine to get rid of objects which are not being used by a Java application anymore. iv) There are exception handling and the type checking mechanism in Java. All these points make Java robust. 1/1

- ☐ only i, iii and iv are correct
- ☐ only i, ii and iv are correct
- ☒ only i, ii, iii and iv are correct ✓
- ☐ only ii, iii and iv are correct

Roll No

50

✓ Java Platforms are i) Java SE ii) Java ME iii) Java EE and iv) Java FX 1/1

- ☐ i) Java SE ii) Java ME iii) Java EE Only
- ☐ i) Java SE ii) Java EE and iv) Java FX Only
- ☒ i) Java SE ii) Java ME iii) Java EE and iv) Java FX ✓
- ☐ i) Java SE only



✓ C++ supports operator overloading. Java doesn't support operator overloading. 1/1

☐ False

☒ True



✓ public keyword is an access modifier which represents visibility. It means it is visible to all 1/1

☒ True

☐ False



✓ Java is a _____ 1/1

☐ a platform.

☐ high level, robust, object-oriented

☐ and secure programming language.

☒ All of Them

☐ None of them



✓ C++ supports structures and unions and Java also support structures and unions 1/1

☐ True

☒ False



✓ Java supports unsigned right shift >>> operator that fills zero at the top for the negative numbers. For positive numbers, it works same like >> operator. 1/1

- ☒ True
- ☐ False



✓ Java is a dynamic language because: i) It supports dynamic loading of classes. ii) It also supports functions from its native languages, i.e., C and C++. iii) Java supports dynamic compilation and automatic memory management 1/1

- ☒ i, ii and iii are Correct
- ☐ only i, and iii are Correct
- ☐ Only ii and iii are Correct
- ☐ Only iii is correct



✓ Security Manager in Java: determines what resources a _____ such as reading and writing to the local disk. 1/1

- ☐ object can access
- ☒ class can access
- ☐ variable can access
- ☐ class can not access



✓ C++ supports pointers and You can write pointer program in C++. where 1/1
as Java supports pointer internally. However, you can't write the pointer
program in java.

☒ True



☐ False

✓ Can you save a java source file by other name than the class name? 1/1

☐ No

☒ Yes



✓ final public static void main(String[] args) 1/1

☒ Valid



☐ Invalid

✓ Java is an object-oriented programming language. Everything in Java is 1/1
an _____

☐ Class

☐ Instance

☒ Object



☐ None of the above



Name

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✓ Java path can be set temporarily

1/1

☒ True



☐ False

✓ In Java there is _____ unreferenced objects because there is an _____ in Java

☒ no need to remove, Automatic Garbage Collection



☐ need to remove, No Automatic Garbage Collection

☐ need to remove, Automatic Garbage Collection

☐ no need to remove, No Automatic Garbage Collection

✓ The Java platform differs from most other platforms in the sense that it is a software-based platform that runs on the top of other hardware-based platforms. It has two components _____ and _____ 1/1

☐ Runtime Environment and Package

☒ Runtime Environment and API(Application Programming Interface)



☐ API(Application Programming Interface) and Inheritance

☐ Runtime Environment and Abstract Classes



✓ i) Java is faster than other traditional interpreted programming languages because Java bytecode is "close" to native code..ii) Java is an interpreted language that is why it is slower than compiled languages, e.g., C, C++, etc. 1/1

- ☐ Only i is true
- ☐ Only ii is true
- ☐ i and ii are false
- ☒ i and ii are true



✓ We can write Java programs that deal with many tasks at once by _____ 1/1

- ☐ defining single threads
- ☒ defining multiple threads
- ☐ not defining multiple threads
- ☐ defining abstract classe



Do you have PC or Laptop to run Java Programs?

- ☒ Yes
- ☐ No



✓ C++ have built-in support for threads.

1/1

- ☐ True
- ☒ False



✓ Java is portable because i) it facilitates you to carry the Java bytecode to any platform. ii) It doesn't require any implementation.

1/1

- ☐ Only i) is correct
- ☐ Only II is correct
- ☒ i and ii are Correct
- ☐ i and ii are incorrect



- ☒ Option 1

✓ C++ is platform-dependent and Java is platform-independent.

1/1

- ☐ False
- ☒ True



✓ static is a keyword. If we declare any method as static, it is known as the static method. The core advantage of the static method is that there is no need to create an object to invoke the static method. 1/1

- ☒ True
- ☐ False



✓ Classloader in Java is a part of the Java Runtime Environment(JRE) which is used to load Java classes into the . 1/1

- ☒ Java Virtual Machine dynamically
- ☐ Java Virtual Machine statically
- ☐ Java Virtual Machine leisurely
- ☐ Java Virtual Machine after compilation



How do you rate your self, in the scale of 1 to 10 in the Java programming?

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



✓ Java is architecture neutral because there are _____ features, for example, the size of primitive types is fixed.

- ☒ no implementation dependent
- ☐ implementation dependent
- ☐ architecture dependent
- ☐ All of the above



✓ you can have only one classe in a java source file?

1/1

- ☐ True
- ☒ False



Write the marks obtained in OOPM Theory exam?

50

✓ C++ supports both call by value and call by reference. and Java supports 1/1 call by value only. There is no call by reference in java.

- ☐ False
- ☒ True



✓ Bytecode Verifier: It checks the code fragments for _____ code that can violate access right to objects. 1/1

- ☐ legal
- ☐ Correct
- ☐ Incorrect
- ☒ illegal



✓ C++ does not supports the goto statement and Java doesn't support the goto statement. 1/1

- ☐ True
- ☒ False



✓ Any hardware or software environment in which a program runs, is known as a _____. 1/1

- ☐ packace
- ☒ platform
- ☐ API
- ☐ Language



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