

Practice Sheet

Java Introduction

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Who is known as father of Java Programming Language?

1. James Gosling
2. M. P Java
3. Charel Babbage
4. Blais Pascal

Java language was initially called as

1. Sumatra
2. J++
3. Oak
4. Pine

Which of these components are used in a Java program for compilation, debugging, and execution?

1. JDK
2. JVM
3. JRE
4. JIT

The java compiler requires that a source file use the filename extension

1 .javac

2 .javarun

3 .javax

4 .java

What is byte code in Java?

1. Code generated by a Java compiler
2. Code generated by a Java Virtual Machine
3. Name of Java source code file
4. Block of code written inside a class

`System.out.println(num);` will display

1. any number
2. value of variable num
3. name of variable
4. type of variable

A named memory location is a

1. data types
2. classes
3. arrays
4. variables

Which of the following can be used in a Java program as identifiers? Check all of the identifiers that are legal.

1. sum_of_data
2. AnnualSalary
3. _average
4. 42isThesolution
5. B4
6. ABC
7. for
8. println
9. "hello"
10. first-name
11. Int
12. Float

What lines fail to compile?

```
public class MoviesAreFun {  
  
    public static void main(String[] args) {  
        int arya2 = 2; /* LINE A */  
        double life_is_beautiful = 3.0; /* LINE B */  
        char 7/gbrundavan_colony = 'G'; /* LINE C */  
        float LIFE_OF_PI = 3.14; /* LINE D */  
        short 3idiots = 255; /* LINE E */  
    }  
}
```

What will be the output of the following program?

```
public class ScopeOfVariables {  
    public static void main(String[] args) {  
        int x = 10;  
        System.out.print(x + ", " + y);  
        int y = 20;  
        x = 15;  
        System.out.print(" - " + x + ", " + y);  
    }  
}
```

What will be the output of the following program?

```
public class Book {  
    public static void main(String[] args) {  
        String book = "java";  
        int pages;  
        System.out.println("Book name " + book);  
        double price = 275.50D;  
        System.out.println("Pages " + pages);  
        pages = 300;  
        System.out.println("Price " + price);  
    }  
}
```

Which one of these lists contains only Java programming language keywords?

1. class, if, void, long, Int, continue
2. goto, instanceof, native, finally, default, throws
3. try, virtual, throw, final, volatile, transient
4. strictfp, constant, super, implements, do
5. byte, break, assert, switch, include

```
int x , X ;
```

1. create error
2. both variable have index in sequence
3. will create confusion
4. will create two different variables