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pwntoken - July 31, 2010, 9:19 am

Basic Java Tutorial for Beginners in Java

By coded32 (or) Encrypted32

Here are some Keypoints you should already know about java before Beginning to program any Java program.

Well Before that Remember some Basic things :-----

What Is Java?

Java is a programming language developed by Sun Microsystems in 1995. It was originally designed for programming small computing devices, but was later adapted by the computer industry as a platform-independent programming language. The JAVA "compiler" produces bytecode that can be interpreted on any platform, and is free to download from Sun and is supported on many platforms including Windows, UNIX/Linux, and Solaris.

An Example Java Program

This is an example of a Java source file. The code should be saved in a text file with a .java extension.

Code // Classname must be same as filename.

```
public class test
{
    // Variables
    private static String myText = "Hello, World";
    private static String msg;
    private static int myInt = 10;
    // Main - Where the Action Starts
    public static void main(String args[])
    {
        // Print "Hello, World" to the screen.
        System.out.println("Hello, World\n");
        // Multiplication for each value
        for (int i = 0; i <10; i++)
        {
            // Print Calculations to Screen
            System.out.println(calc(i));
        }
    }
    // Handle the calculations
    public static String calc(int timesBy)
    {
        // Put calculation into string
        msg = myInt + " x " + timesBy + "= " + (myInt * timesBy) + "\n";

        // Return Calculation
        return msg;
    }
}
```

```
}  
}
```

- 1.) Java is a OOP language. OOP means Object Oriented Programming.
- 2.) Java is Widely used to Deploy many Applications Now-a-days and is also very popular.
- 3.) Java is a HLL. HLL stands for High Level Language.

So Now Let's Discuss the Basic Things in Java.

- 1.) Keywords are Reserved words in java which cannot be used by the User.
- 2.) Here are some of the Keywords which are Reserved only for the Java Development Kit or the JRE package.

- void
- volatile
- class
- main
- static
- throws

Here is a Beginner's program with with many of the New Programmers code.

```
Code import java.io.*;  
import java.lang.*;
```

```
class My_first_Program  
{  
    public static void main()throws IOException  
    {  
        System.out.println("this is my First Program in Java. I love Hackforums.net. Encrypted32  
Speaking.");  
        System.out.println("I have used a prinln lol.")  
    }  
}
```

There are Many E-Books available for Java Beginners, you should also Read Them out :--

Here are some :: Google it and start Reading them.

- Core Java 2, Volume I: Fundamentals (6th Edition)
- Effective Java Programming Language Guide
- Java 2 for Dummies
- The Java Programming Language

If you're a looking for a few excellent e-books on java that are free, you can try these websites out:

<http://www.roxie.org/books/bleeding/>

- The Java Tutorial
- Introduction to Programming Using Java Technology
- Intro to Prgamming in Java
- Thinking in Java

A gentle introduction to programming Essentials of Java programming

There are so many free E-books out there that are Java Based that it isn't funny. But, Many times these books are a little outdated. For instance, Java is now in version 1.4, and some of these books are still talking about previous versions. So, it would be a good to also purchase a more uptodate book as well as having the knowledge that you can read more on the internet.

There are also quite a few tutorials available on the internet. Here are a few of them:

Java Official Website
WebMonkey Java Tutorials
Java API Reference Manual

Thanks this was Encrypted32 from HF.net. will Bring you more.....

ianian112 - July 31, 2010, 10:30 am

Have you by any chance used the next one in core java? core java volume 2?

pwntoken - July 31, 2010, 11:00 am

Core java is good for Advanced java development.

pwntoken - August 2, 2010, 5:13 am

eh ?? am I bumping this thread ?? yeah i am because i did hard work on it lolZ !

pwntoken - August 2, 2010, 10:37 am

You are a great guy and your tutorials always rocks.

pwntoken - August 7, 2010, 2:26 am

Thanks to whoever made compliments. Thanks Guys.

BloodRedSummer - August 10, 2010, 1:43 am

why do you use IOException but you don't use any IO?

pwntoken - August 10, 2010, 1:46 am

Ohh Yes. Its Always good to Implement IO if you use IO in Future code..