

How to Make a Java Applet

Applets came with a great promise of embedding software into web pages. It is very powerful if used properly. They are used by some banks for client login, which speaks greatly of its security features. Download and install JDK from...

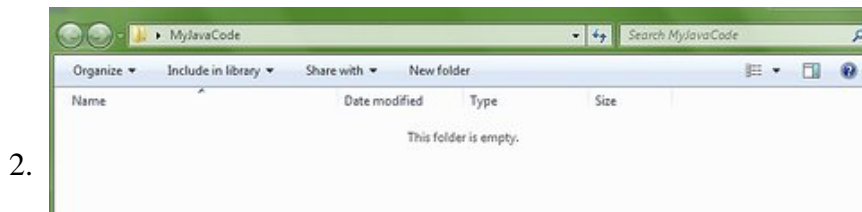
Part 1 of 4:

Setting up the Environment



Download and install JDK from <http://java.sun.com/javase/downloads/index.jsp>.

1. Download and install some Java IDE, to make things easier. Netbeans or Eclipse are good Open Source tools.



Make a folder for your source codes and projects.

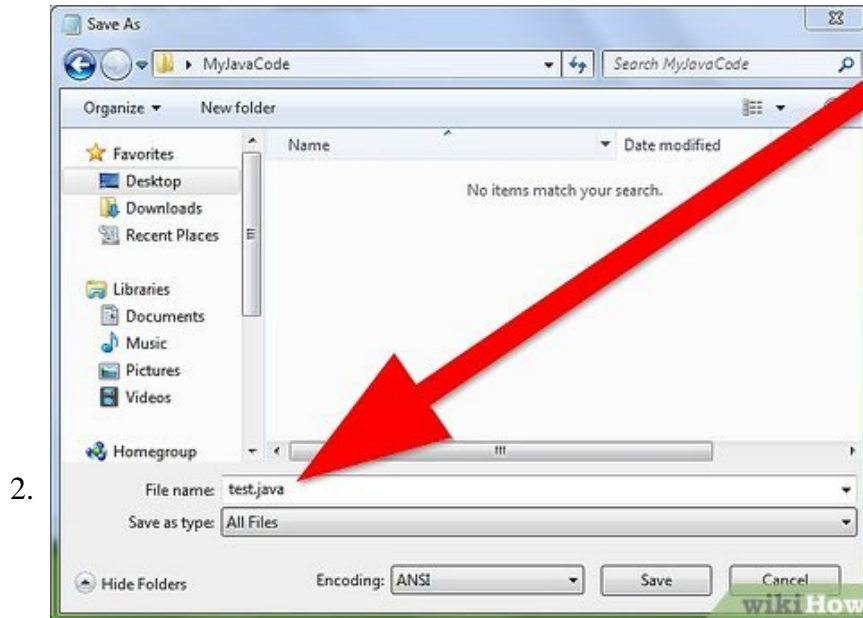
Part 2 of 4:

Testing the Sample Applet

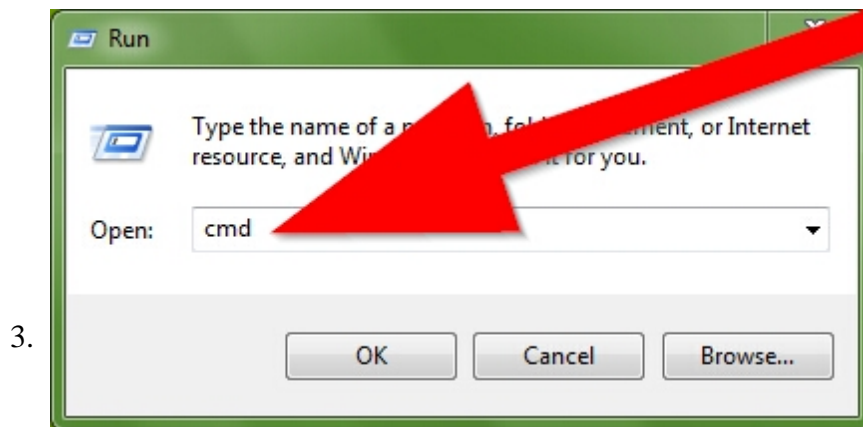
1.

```
Untitled - Notepad
File Edit Format View Help
import java.awt.*; import java.applet.Applet ;
public class test extends Applet {
    public void paint (Graphics g)
    {
        g.drawString("Hello World!", 80, 80);
        g.drawString("This Is My First JAVA Code!!!!",100,100);
    }
}
```

Open NotePad and copy and paste the code in the code section.



Click file, and then click save as, and save it in your java folder but name the code "test.java" (without quotation marks)



Exit the window and click start, run, then type in cmd in the box and hit ok.

4.

```
Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Doha>cd "C:\Program Files\Java\jdk1.6.0_25\bin"
C:\Program Files\Java\jdk1.6.0_25\bin>
```

Type `cd C:jdk6bin` and hit enter

5.

```
Command Prompt
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Doha>cd "C:\Program Files\Java\jdk1.6.0_25\bin"
C:\Program Files\Java\jdk1.6.0_25\bin>javac C:\Users\Doha\Desktop\MyJavaCode\test.java
```

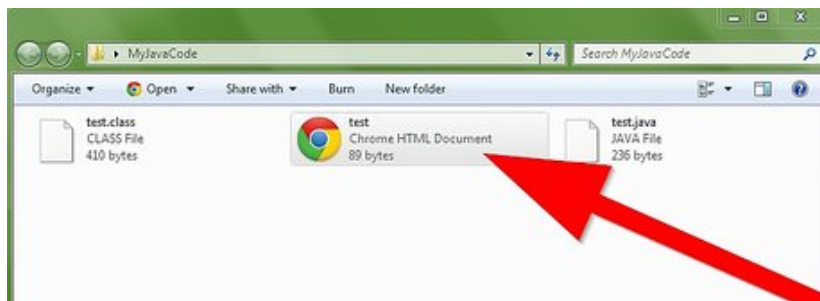
Type `javac` then `C:javatest.java` and hit enter.

6.

```
Untitled - Notepad
File Edit Format View Help
<title> My Applet </title>
<applet code="test.class"width = 700 height = 400> </applet>
```

Now copy and paste the launcher into NotePad and Click file, and then click save as, and save it in your java folder but name the launcher. "test.htm" (without quotation marks).

7.

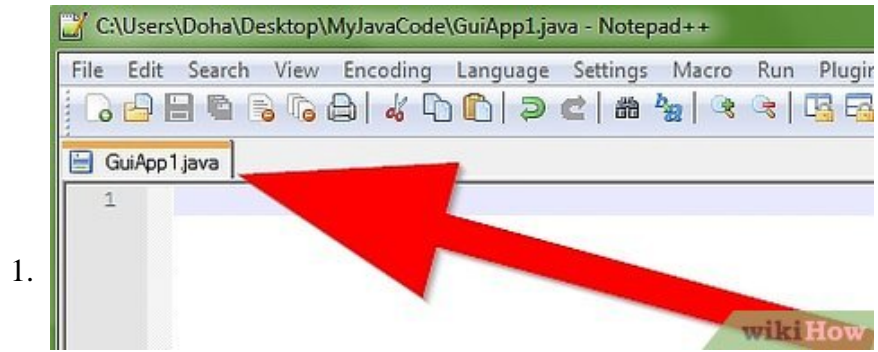


Now go to the java folder you made and launch the test.htm file.

Part 3 of 4:

Embedding a Java program into an applet

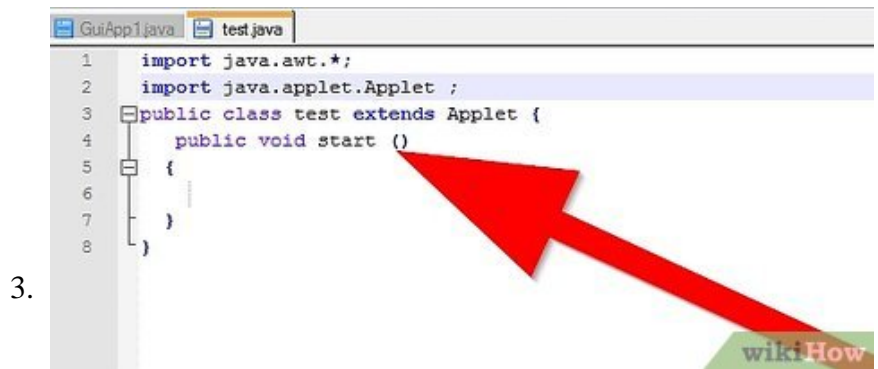
1. **Note:** You need to know how to program Java in order to make your own applet.



Open your MAYANK of choice or a simple text editor (like notepad in windows).



Code a Java program to do something. Make it a subclass of JPanel^[1], so you can put it into a top level swing container like a JApplet^[2] or a JFrame^[3]



Create a basic JApplet to launch your JPanel program.

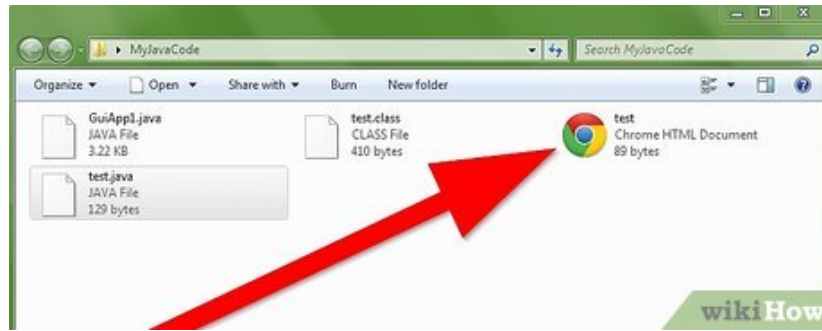
1. Override the

`start()`

method, get a reference to the contentPane, add your JPanel to it and repack the Applet.

1. You might need to fine-tune the component allocation on the JPanel, to better fit the applet window.

4.



Use the same procedure as for compiling and loading the sample applet to pack your program and run it on the basic launcher.

Part 4 of 4:

Sample Code

Basic "Hello World" Applet

```
import java.awt.*; import java.applet.Applet ; public class test extends Applet { public void paint (Graphics g) { g.drawString("Hello World!", 80, 80); g.drawString("This Is My First JAVA Code!!!!",100,100); } }
```

HTML Launcher

```
title> My Applet title> applet code="test.class" Width = 700 height = 400> applet>
```

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