

# Quick Start Guide

How to write a simple java program to display “HelloWorld”

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### Task:

Install an IDE(BlueJ) and run a simple program in Java to display “Hello World”.

### General tips

A computer program is a set of instruction that a computer executes to perform specific tasks. Every computer needs a program to be able to run and function. Computer programs are written in a programming language which can be understood by humans who wrote them (computer programmers). Example of programming languages are: Java, C/C++, Python, Javascript, PHP and SQL. However, computers can only read and understand machine code, that is: binary and hexadecimal instructions. It needs a translator to compile and interpret the instructions from a programming language to machine code. Mostly softwares are built to make this process easy by compiling and interpreting your computer program into machine code. These softwares are called Integrated Development Environment.

Example of IDE's are NetBean, Eclipse, IntelliJ and BlueJ.  
Some of these IDE's are free whilst others are paid.

In this quick start we will be installing blueJ on a MacBook Pro using a google chrome browser.

### Hardware requirements

Minimum: 64Mb main memory, Pentium II processor or equivalent  
Recommended: 128Mb main memory, 400MHz Pentium III processor or above

### Disclaimer

This quick start guide is solely for educational purposes, and we are not responsible for any loss to data or system damage that might result from the use of this quick start guide.



**Make sure you have a good up-to-date antivirus system.**

**Be Careful when visiting unknown websites. You are at risk of downloading and installing a virus if proper safety is not ensured.**

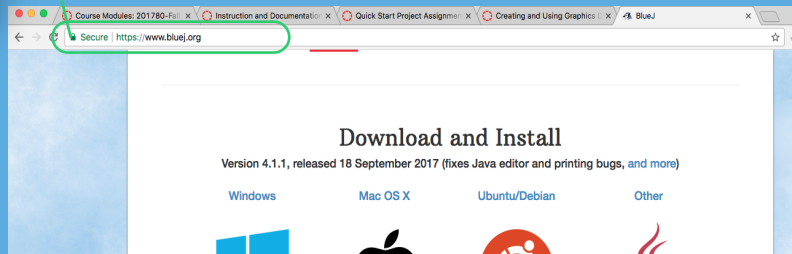
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## Download and install IDE

1

Open any web browser of your choice and type in <https://bluej.org> and hit enter

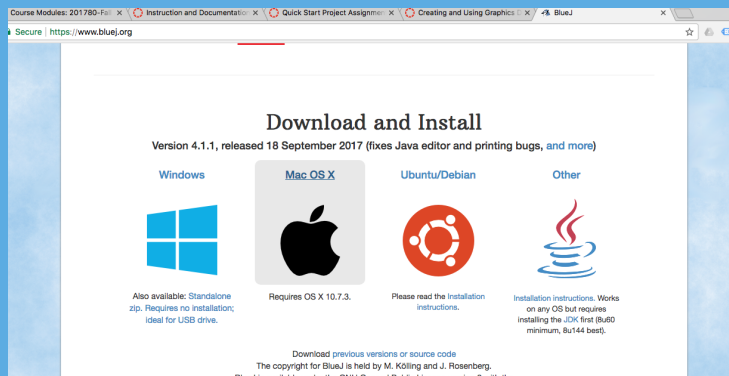


Make sure the address you type in has "https" which is a secured connection, and not "http". Example:

Secure | <https://bluej.org>

2

Scroll down to download section and choose your operating system to download



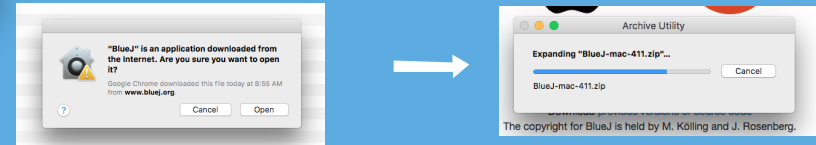
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## Installing the IDE

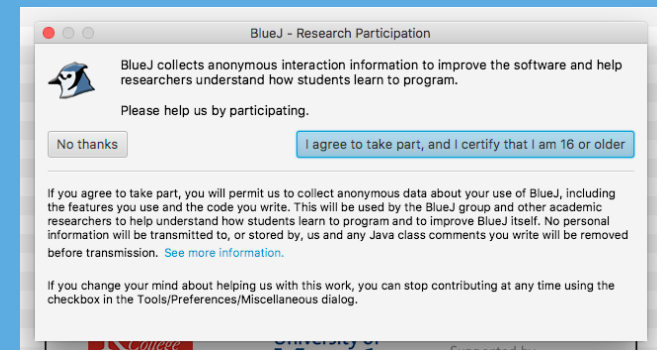
3

Go to your downloads folder and open the file named BlueJ to install



4

Next, a BlueJ Research- participation popup will appear on your screen. Read though the information in the pop-up box, click "I agree to ..." to confirm you are 16 years or older. Select agree and confirm that you are 16 years of age or older to continue with the setup.



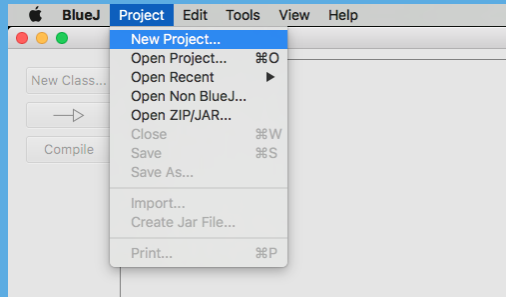
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Create a new Java project and class in the IDE

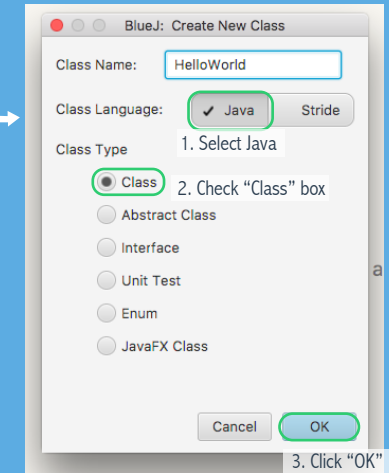
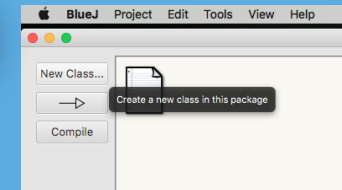
5

Once the BlueJ application has opened  
Click on Project and then New Project to begin



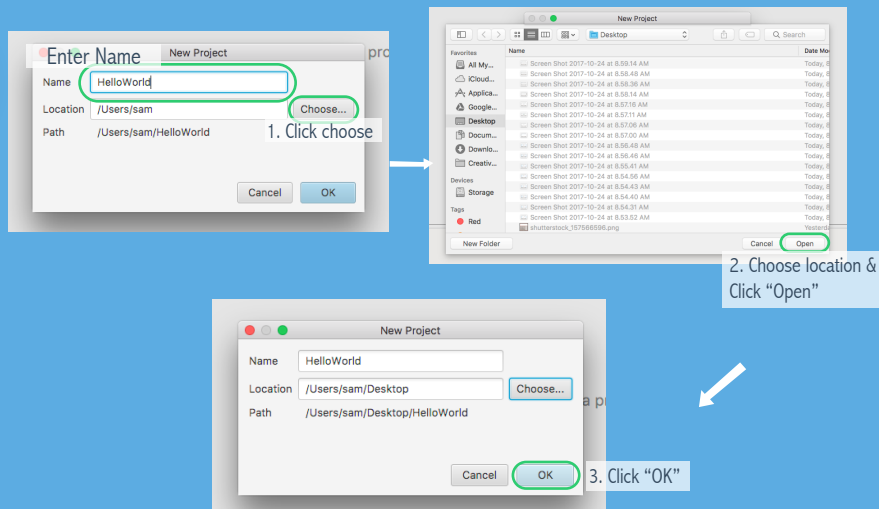
Create a new Java Class

7



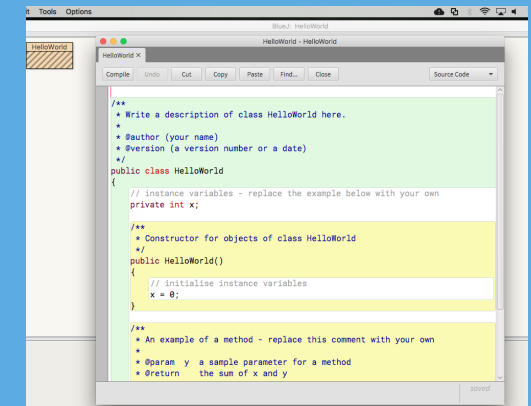
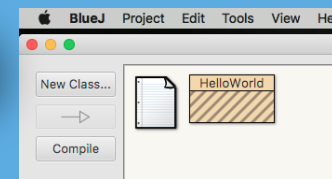
Name the file and choose with whatever name you want and then  
choose the save location and click "OK"

6



Open the class file by double clicking on the HelloWorld class.

8

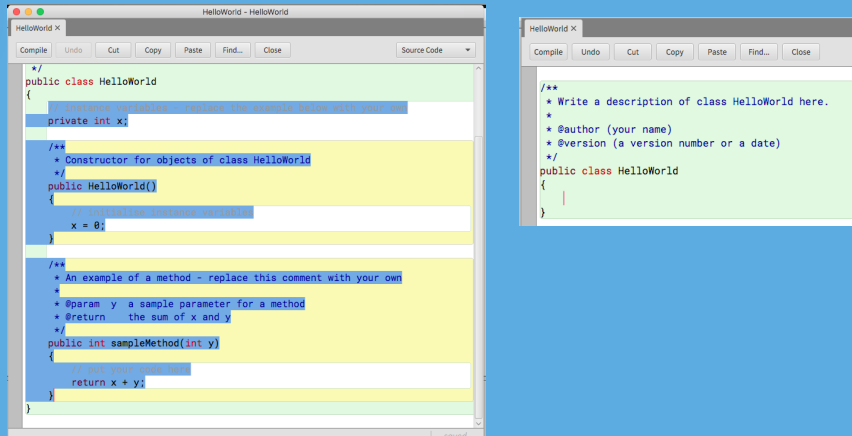


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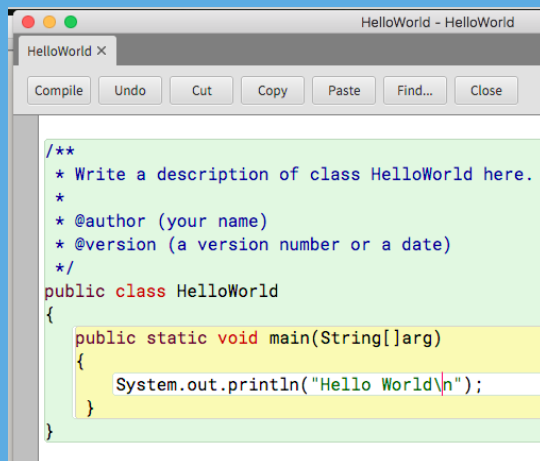
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## Modify the Code

Highlight the text between the curly bracket shown and delete the text



Enter the code below into the space you made the deletion.



Enter this code:

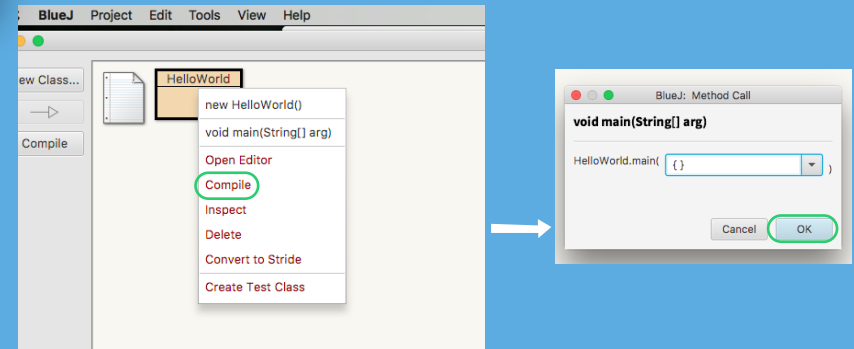
```
public static void main(String[]arg)
{
    System.out.println("Hello World\n")
}
```

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## Run the program

Right-click on the HelloWorld Class and click "compile" and click "OK" to execute your code



## Understanding the code



Tells the program to proceed and execute the code withing the curly bracket.

Public Static void main(String []arg)

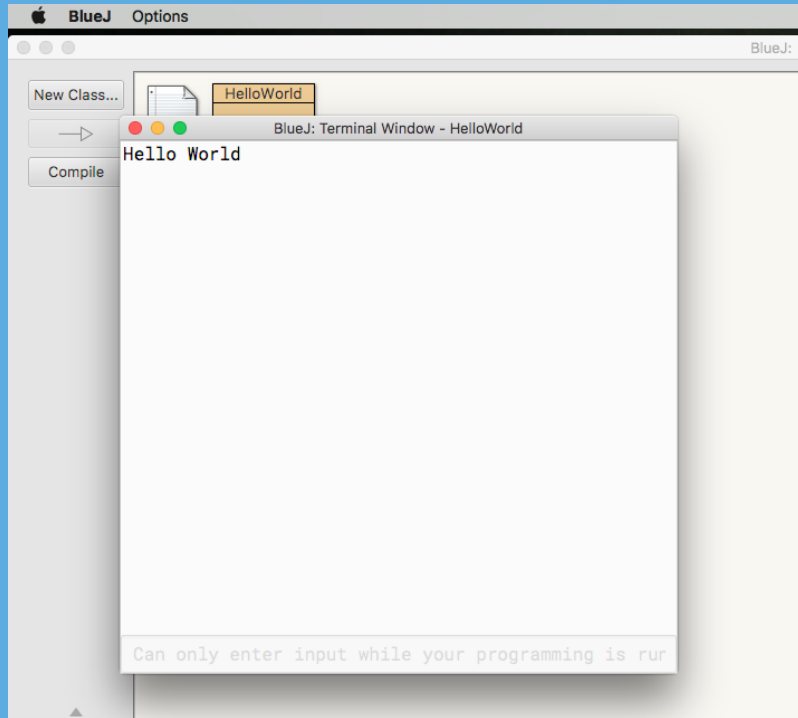
System.out.println("Hello World\n");

Understand the code

This tells the system to printout whatever i the quotation. In this case it i will be "HelloWord"

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## Contact and Support

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SwayMint, BG-2345.  
Ph: 919 919 9999  
Fx: 919 919 0001  
Email: bluej@bje.org

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## Conclusion

Now that you have created your first java program, you may be asking yourself why is this important and where do I go from here. Java programming is important not only because

it is a great language for beginners to learn how to program but also because there are still many applications that use java today. One big example of how Java is used today may be right on your phone. Many Android apps are coded using Java.

The good thing about computer programming is that once you get good on with one, you can easily learn another.

The next step for anyone who is considering advancing their knowledge in Java is to begin learning the basics of java coding.

If you are looking to get certified to land a job as a java developer, you can take the certification exam to be java certified.

The link below for the resources for the certification is [https://education.oracle.com/pls/web\\_prod-plq-dad/db\\_pages.getpage?page\\_id=458&get\\_params=p\\_track\\_id:JSE7PROG](https://education.oracle.com/pls/web_prod-plq-dad/db_pages.getpage?page_id=458&get_params=p_track_id:JSE7PROG).

There are many great resources that can set one on the right path.

One of the all-time favorite free resources is codecademy.com.

Codecademy.com is a free to use website dedicated to teaching the basics of coding and advancing your knowledge. This quick start guide is only a small taste of the possibilities that Java presents. Below is a list of some other resources for Java:

Oracle Java Tutorials - <https://docs.oracle.com/javase/tutorial/>

Learn Java online - <http://www.learnjavaonline.org/>