



Welcome!

Who are we?

Coding Power is a community outreach program aimed to empower youth, particularly those who may feel intimidated by the daunting title of computer programming, through a friendly and encouraging course of coding in Java. We aim to coordinate support groups and set up learning centers in local libraries and elementary schools to help coding students and promote interest in computer science, especially among underrepresented groups.

What is Java?

Java

- One of the most popular coding languages
- A very structured and strict language that is very specific in order for the computer to perform actions
- Easy to learn
- Used in companies like Pinterest, Spotify, Minecraft, Groupon, and Pandora



Icebreakers

Name, Grade, School

What is your favorite animal and why?

Supplies you'll need

- Pencil/Pen
- Notebook (optional)
- Computer with working internet
- Positivity :D

Hello World!

1. Go to replit.com/languages/java
2. Type the following code into the program:

```
System.out.println("Hello World!");
```
3. Click on the **Execute/Run** button and wait for the compiler to process your code

Rules in Java

1. Always add a semicolon at the end of every line
`System.out.println("Hello!");`
2. Everything is case-sensitive! Always follow the way the code is written on the screen.
3. Whenever you open a parenthesis/bracket, always close the parenthesis/bracket. { } ()
4. Write all code within the brackets

Drawing Challenge

Using the knowledge you just learned, print out a drawing!

Example:

```
System.out.println("    /  \\__          ");
System.out.println("    (          0\\__          ");
System.out.println("    /                               @          ");
System.out.println("    /          (_____/          ");
System.out.println("/_____/          U          ");
```

Try one on your own! Don't forget about the rules from the previous slide.

Diagnostic test

We will be sending a link of the diagnostic quiz through the chat.

It will simply test your understanding of pre algebra and arithmetic math. Try your best!

You have 15 minutes :)



Questions?

Contact us here:

Email:

codingpower101@gmail.com

Website: codingpower.org