

Welcome to

CS 240: Intro to Computer Systems

- Program, Application
- Programming Language
- Compiler/Interpreter
- Operating System
- Instruction Set Architecture
- Microarchitecture
- Digital Logic
- Devices (transistors, etc.)
- Solid-State Physics

CS 240 in one sentence:
How does a computer run a program?

The image shows a screenshot of an IDE with the following code:

```

public class HelloWorld {
    public static void main(String args[]) {
        System.out.println("Hello, world!");
    }
}

```

 The console output shows:


```

Welcome to DrJava. Working directory is /Users/bpw/courses/cs240/cs240f14
> run HelloWorld
Hello, world!
    
```

 A red arrow originates from the code, points to a cloud containing a question mark, and then points to a photograph of a computer circuit board.

CS 240 first day

- Welcome
- CS 240 team, logistics, policies
- Assignment 0
- Course overview
- Lab!!!

<http://cs.wellesley.edu/~cs240/>

Everything is here.
Please read it.

Assignment 0, "due" Friday by 5pm.

(required, but not graded)

Visit Ben's office hours (or by appointment) by the end of this week to chat for a couple minutes about:

1. How to pronounce your name (if you think I'll get it wrong).
2. What CS courses you have taken before.
3. What about CS 240 excites or concerns you.
4. Something about yourself that is not about CS 240.

CS 240 in one sentence:
How does a computer run a program?

The image shows a screenshot of an IDE with the following code:

```

public class HelloWorld {
    public static void main(String args[]) {
        System.out.println("Hello, world!");
    }
}

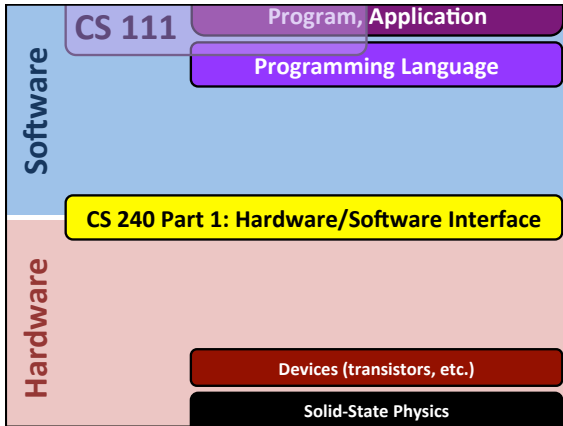
```

 The console output shows:


```

Welcome to DrJava. Working directory is /Users/bpw/courses/cs240/cs240f14
> run HelloWorld
Hello, world!
    
```

 A red arrow originates from the code, points to a cloud containing a question mark, and then points to a photograph of a computer circuit board.



The Hardware/Software Interface and Computer Organization

- What is hardware? Software?
- What is an interface?
- Why do we need a hardware/software interface?
- Why do we need to understand the hardware implementation of this interface?

```

public static void main()
String host = "argst01";
int port = 7999;
int user = "John";
String password = "123";
Socket s = new Socket(host, port);
Client client = new Client(s);
client.sendAuthen
    
```

