

# **ITEC 120**

Dr. Ray
Lecture I
Introduction to Principles of CS I

# Objectives

- Introduce each other
- Introduce you to the course
- Content
- Expectations
- Semester agenda
- Simple problem

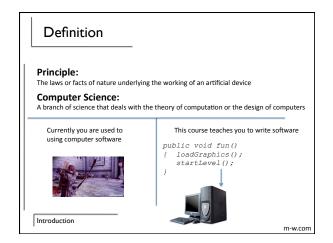
Introduction

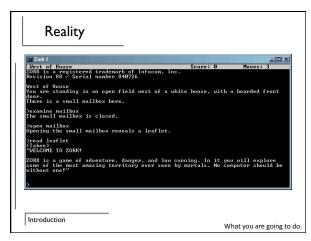
Fill out forms

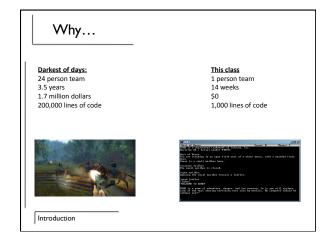
## Questions

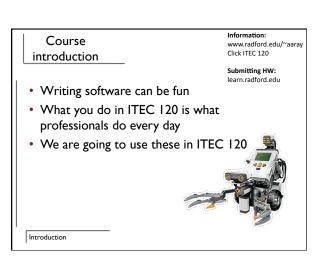
- Why are you taking this course?
- What do you want to learn?
- I thing software does that improves life
- Introduce each other to the class
  - Answers to questions / list of activities





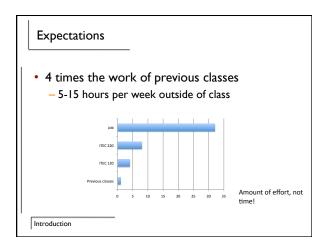


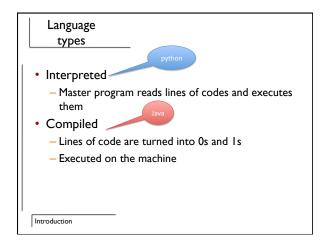


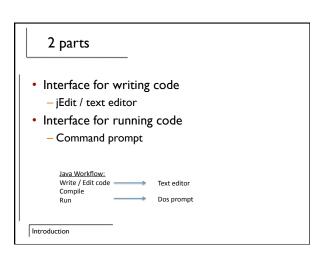


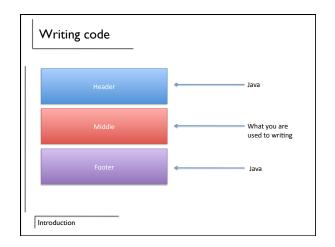
### Structure

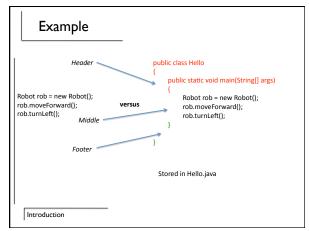
- · How class time will be used
  - Lecture MWF
    - M => Introduction to topic, simple examples
    - W => Answer Questions, Best practices
    - F => Review, high level lectures, Homework
  - Lab TR
    - · Hands on practice
- Outside of class
  - Homework assignments, finishing up labs











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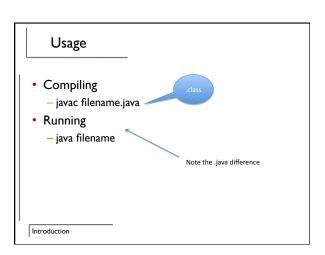
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# Variables • <type> name; must begin with A-Z Cannot contain spaces public class Example { public static void main(String[] args) { int x; double y; float z; String a; char b; } } Introduction

## Output

- Java has builtin variables
  - System
- Nested variables
- System.out.println();
   public class Example
   {
   public static void main(String[] args)
   {
   int x;
   x=3;
   System.out.println(x);
   }
  }
  Introduction

```
public class Example
{
    public static void main(String[] args)
    {
        String a;
        a="Hello World";
        System.out.println(a);
    }
}
Need the "" to tell javac what to expect
public static void main(String[] args)
{
        String a;
        a="Hello World";
        System.out.println(a);
}
```

## Example

- Hello World in jEdit
- Compile it
- Modify it to handle Fahrenheit to Celsius

# Summary

- Class structure
- Expectations
- Basics of Java