

Panel 1

Welcome to CSAS 1111

Bert Wachsmuth
Office - see syllabus

Class: MW 1-2:15
F 2-2:50

Grading + Quizzes 100 P.
2 Exams 200 P
Final 200 P
Comp. Assig: 200 P

700 P

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Panel 2

① Dyknow Collaboration + Presentations Software
Download + install from: <http://pirate.shu.edu/~wachsmut/>

install dyknow software:

Server: vision.dyknow.com
ID: shu.edu

Write name here: Kevin Lipovsky

I HAVE Control

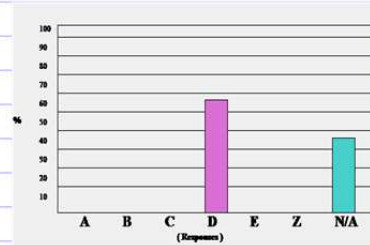
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Panel 3

Quick Polling Capability

Java is:

- a) A programming language
- b) A cup of coffee
- c) An island in Indonesia
- d) All except (c)
- e) All except (d)

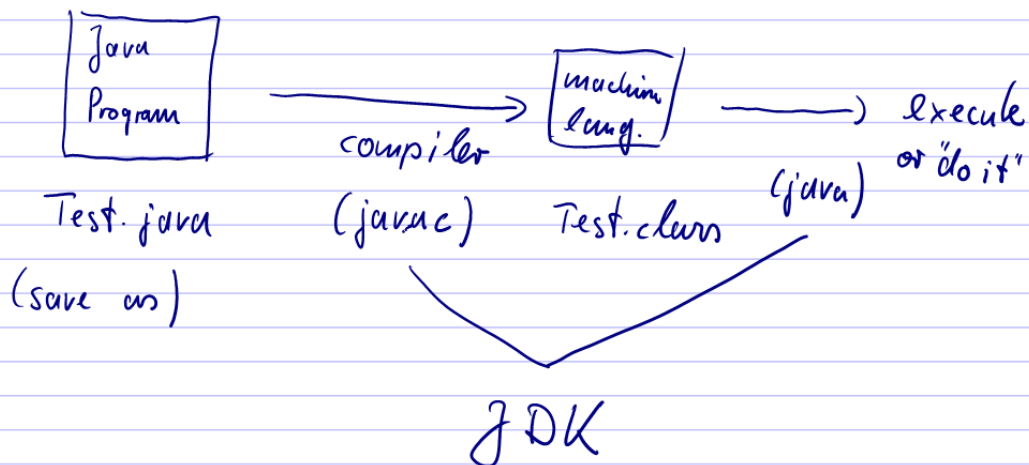


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Panel 4

Java Compiler

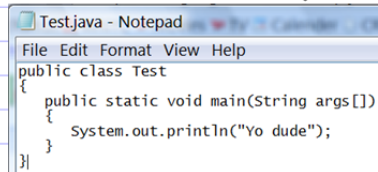
Java is like a foreign language that we as programmers must learn.



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Panel 5

① Create source code using a text editor e.g. Notepad:



```
Test.java - Notepad
File Edit Format View Help
public class Test
{
    public static void main(String args[])
    {
        System.out.println("Yo dude");
    }
}
```

② Compile source code into machine language:

```
C:\Temp>javac Test.java
C:\Temp>
```

③ Execute the machine language code:

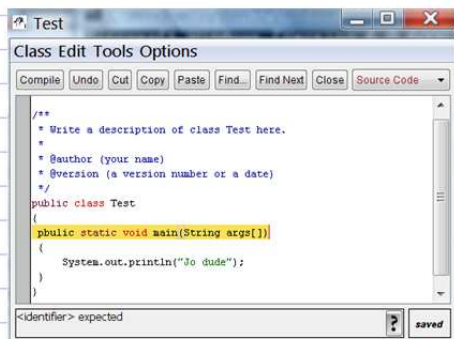
```
C:\Temp>java Test
Yo dude
C:\Temp>
```

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Panel 6

IDE: Integrated Development Environment

Download and install
BlueJ



```
Test
Class Edit Tools Options
Compile Undo Cut Copy Paste Find... Find Next Close Source Code
/**
 * Write a description of class Test here.
 *
 * @author (your name)
 * @version (a version number or a date)
 */
public class Test
{
    public static void main(String args[])
    {
        System.out.println("Yo dude");
    }
}
<identifier> expected ? saved
```

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Panel 7

Sample Java Programs

<http://pirate.shu.edu/~wachsmut/Java/ZMap/index.html>

<http://pirate.shu.edu/~wachsmut/Java/Hanoi/in>

<http://www.cix.co.uk/~toyne/javaders/javaders.html>

<http://asset.tlsc.shu.edu/servlets/asset.Asset>

<http://pirate.shu.edu/~wachsmut/jbd/index.html>

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Panel 8

Tower of Hanoi with
 n disks

takes $2^n - 1$ steps

$$n=3 \Rightarrow 2^3 - 1 = 8 - 1 = 7$$

$2^{64} - 1 = \text{billions of years!}$

Homework:

Download JDK

BlueJ IDE

create simple program!

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