A Simple Program

(How to get started with Netbeans)

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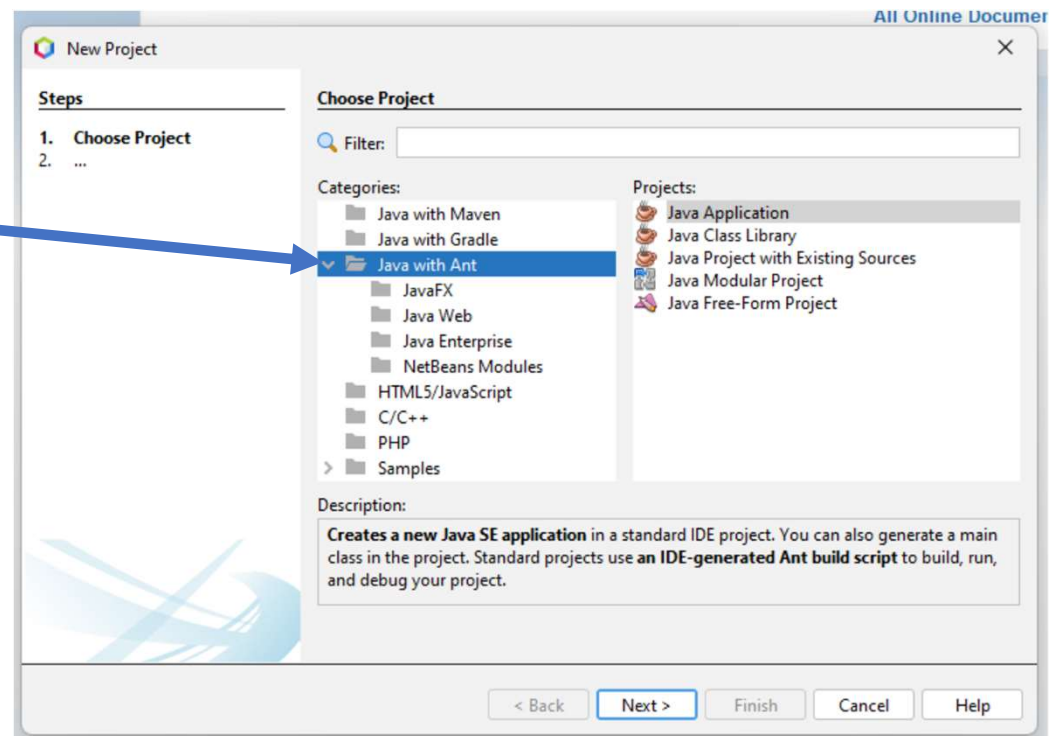
My First Program

- Now that you can start up NetBeans, you are ready to write a program that actually does something

- Let's try the famous "Hello World!" program

Step 1 – New Java Project / Class

- Create a new 'Java with Ant' project in NetBeans. Pick "Java Application" and then "next"

Name your Project…

Note "create main class" is ticked

Note – Java file name same as class name!

"main" method

Step 2 - Write some code

- Now you can add some code to the "Main" method

- This is a simple start, so we will keep it simple…

  System.out.println("Hello world!");

It should look like...

```
L    */
public class MyFirstProject {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here

        System.out.println("Hello World");
    }

}
```
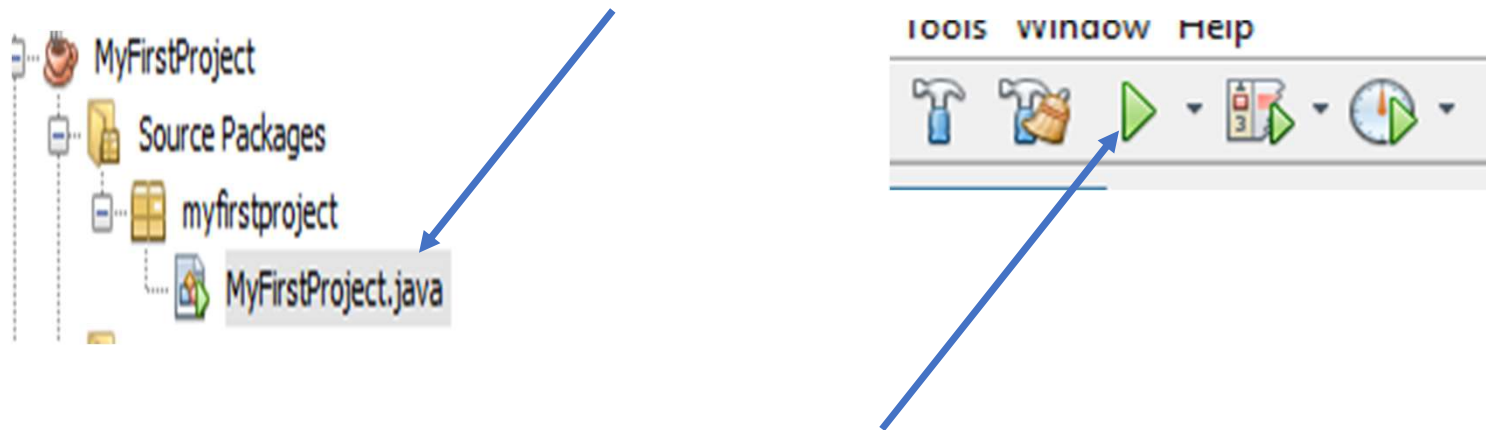
To run / execute

- Running a program in NetBeans is very simple. Just make sure you have the correct project/file selected (in the left hand window) and then click the "play arrow" at the top of the screen

Output…

- If your program is sending a message to the screen ("outputting to the screen") then the output will appear in the "output" window…

```
Output - MyFirstProject (run)  X
run:
Hello World
BUILD SUCCESSFUL (total time: 1 second)
                                                  20:43    INS
```
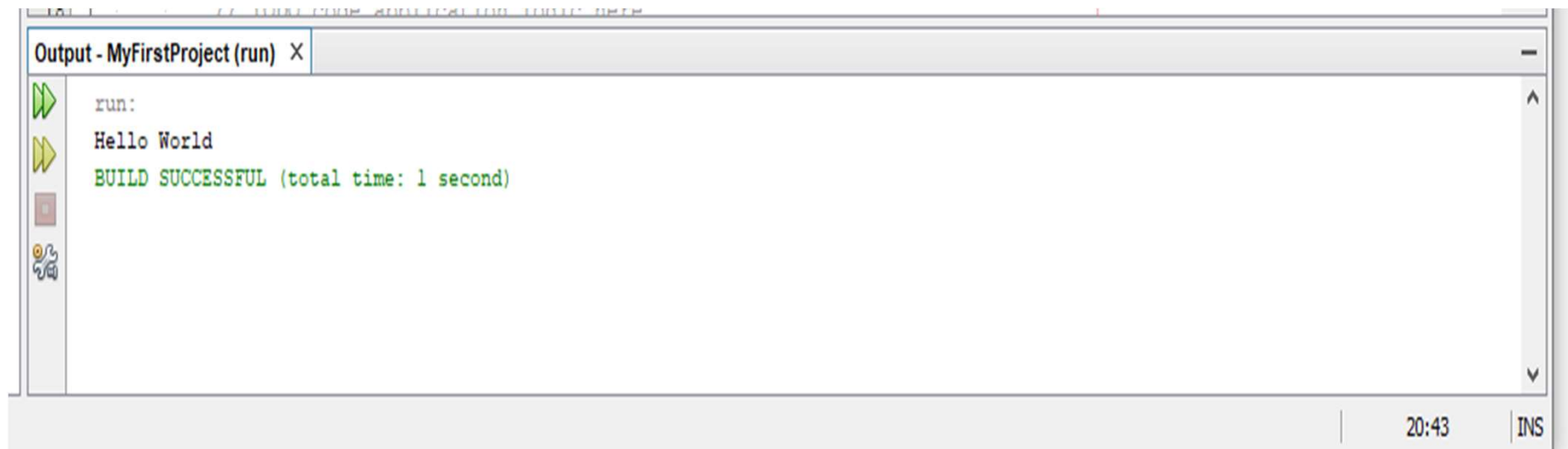
The Java model…(a simple example)

- Just this one line of code allows us to take a simple look at how Java is structured:

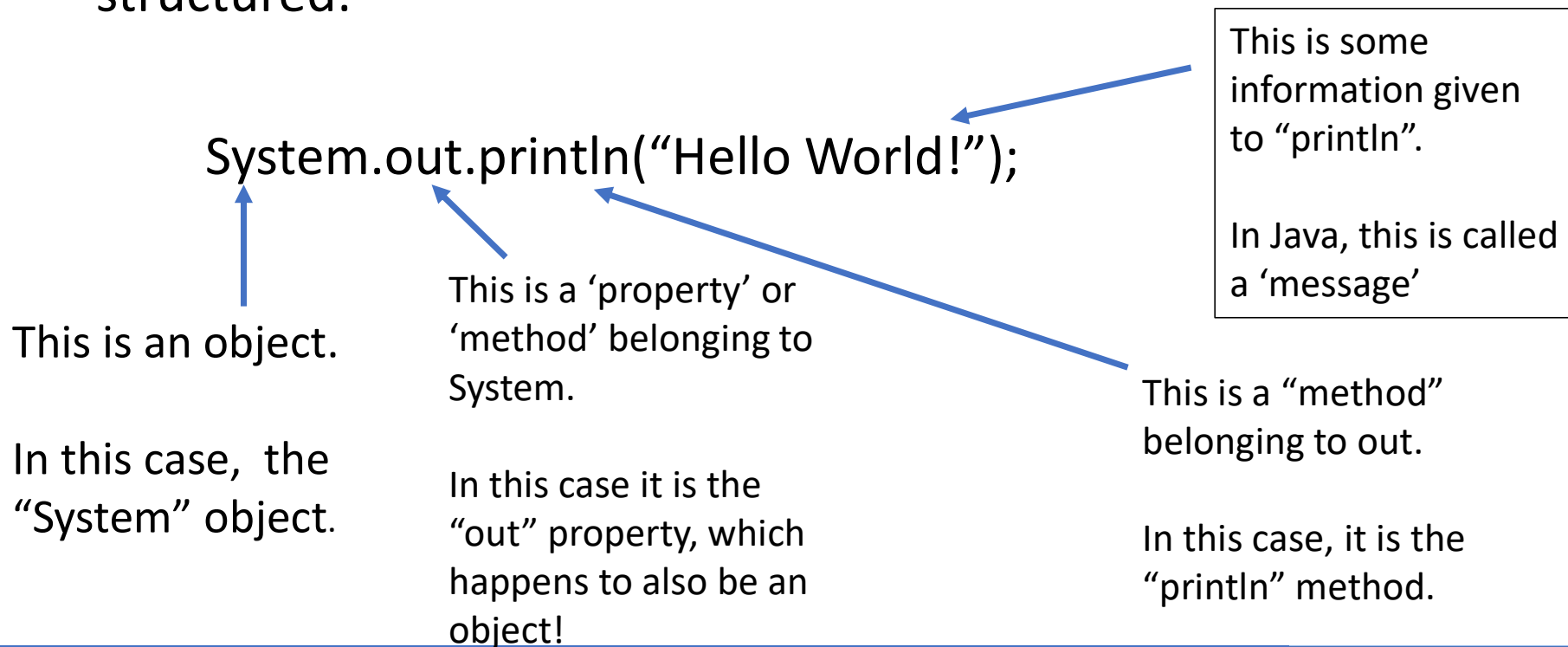System.out.println("Hello World!");

This is some information given to "println".

In Java, this is called a 'message'

This is an object.

In this case, the "System" object.

This is a 'property' or 'method' belonging to System.

In this case it is the "out" property, which happens to also be an object!

This is a "method" belonging to out.

In this case, it is the "println" method.

- Java is Case Sensitive !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

- So if you type "system" instead of "System" it will not work

- This will effect EVERYTHING you do in Java, so you need to pay attention

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