



# A Simple Program

(How to get started with Netbeans)

### **Copyright Notice**

The following material has been communicated to you by or on behalf of CCT College Dublin in accordance with the Copyright and Related Rights Act 2000 (the Act).

The material may be subject to copyright under the Act and any further reproduction, communication or distribution of this material must be in accordance with the Act.

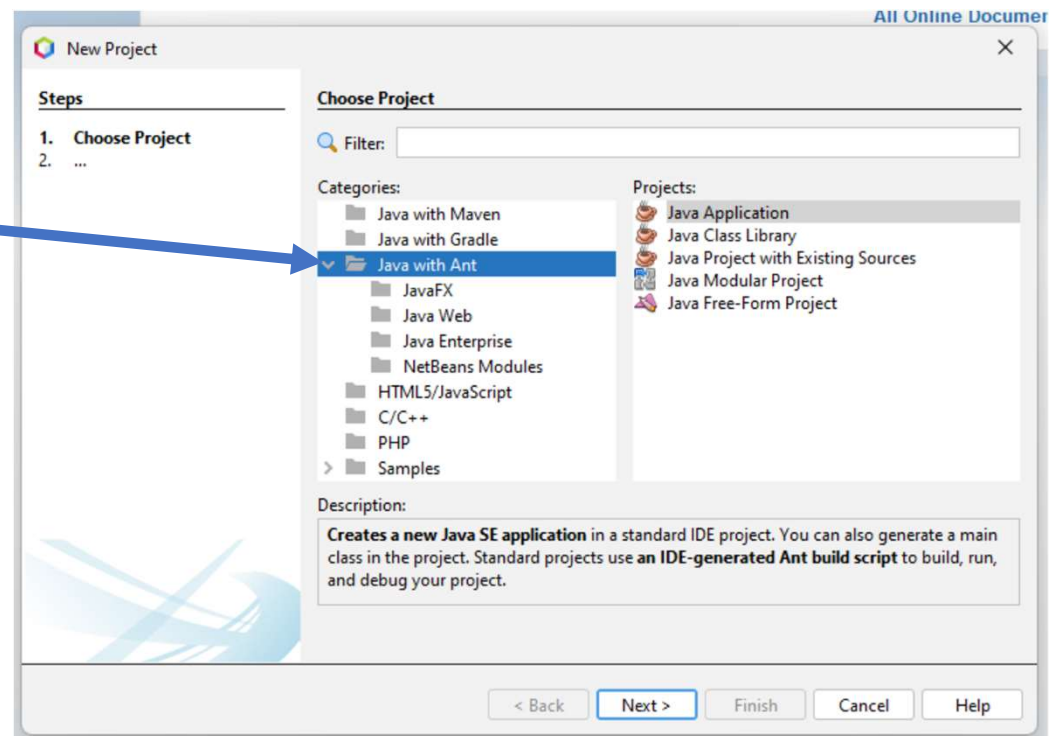
Do not remove this notice

# 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...

New Java Application

**Steps**

1. Choose Project
2. **Name and Location**

**Name and Location**

Project Name:

Project Location:

Project Folder:

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder:

Different users and projects can share the same compilation libraries (see Help for details).

☒ Create Main Class

< Back   Next >   **Finish**   Cancel   Help

Note “create  
main class”  
is ticked

Greeter - Apache NetBeans IDE 14

Search (Ctrl+I)

228.4/408.5MB

Projects | Files | Services

Start Page | Bottle.java | Greeter.java

Source | History

1 `/*`  
2  `* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license.`  
3  `* Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template.`  
4  `*/`  
5 `package greeter;`  
6  
7 `/**`  
8  `* @author Ken Healy`  
9  `*/`  
10 `public class Greeter {`  
11  
12  `/**`  
13  `* @param args the command line arguments`  
14  `*/`  
15  `public static void main(String[] args) {`  
16  `// TODO code application logic here`  
17  `}`  
18  
19  
20  
21 `}`

Note – Java file name same as class name!

“main” method

Greeter.java - Navigator

Members

Greeter

- Greeter()
- main(String[] args)

17°C Mostly cloudy

13:50 14/07/2022

## 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 {

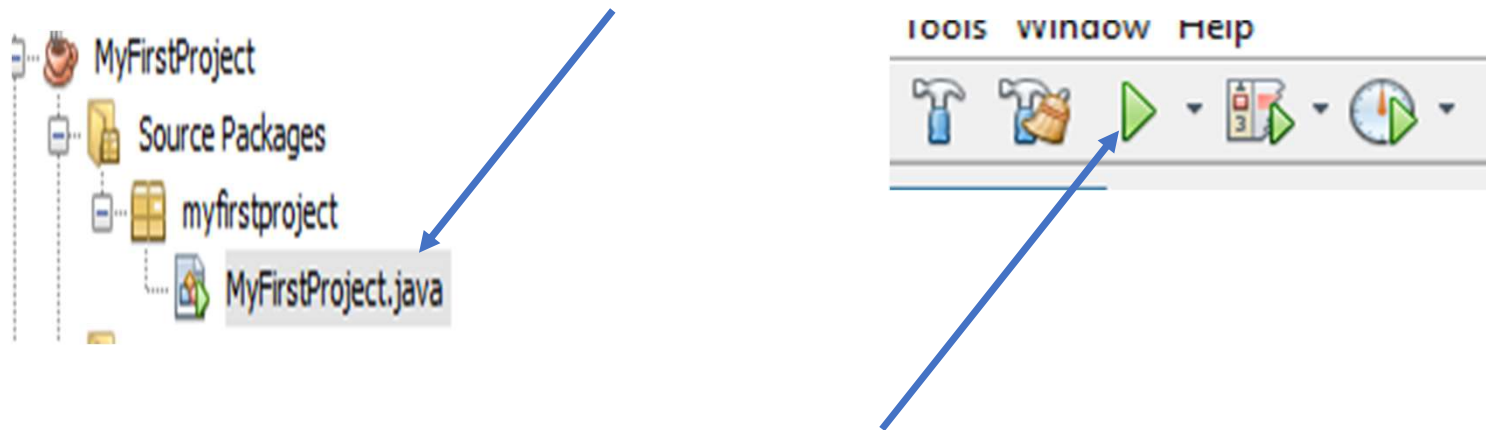
       /**
        * @param args the command line arguments
        */
       public static void main(String[] args) {
           // TODO code application logic here

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



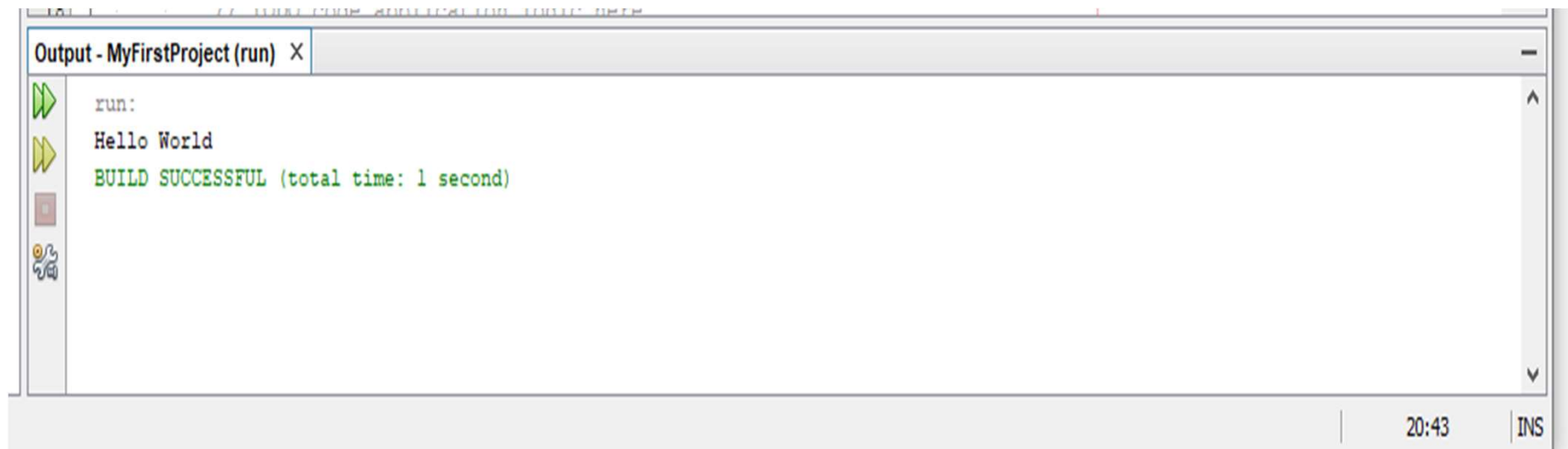
# To run / execute

- 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



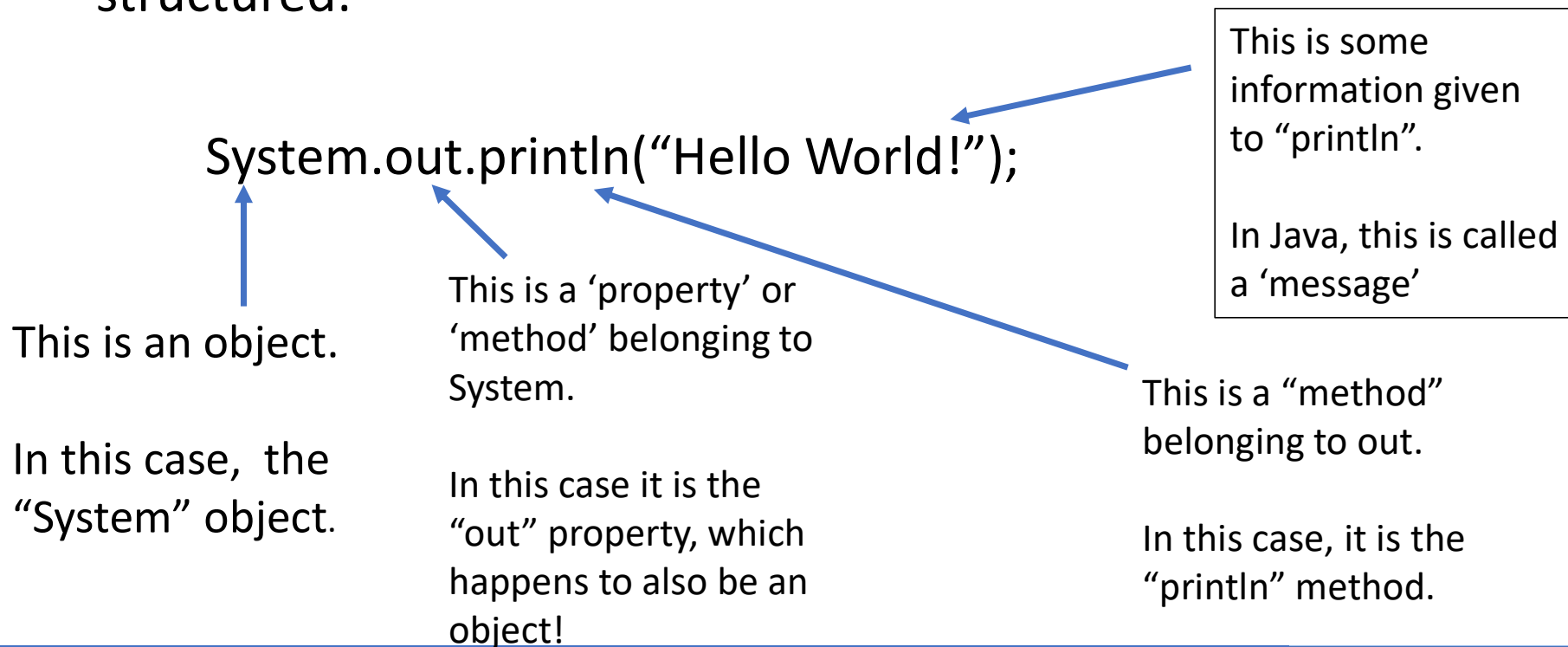
# Output...

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



# The Java model...(a simple example)

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





- 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



Our Dedication.  
Your Journey.

**cct** | College Dublin  
Computing • IT • Business