







### Compile and run an application

□Write java class HolaWorld containing a main() method and save in file "*HolaWorld.java*" □The file name *MUST* be the same as class name

□Compile with: javac HolaWorld.java

Creates compiled .class file: HolaWorld.class

□Run the program: *java* HolaWorld □Notice: use the class name directly, no .class!

rst Java program - HolaWorld.java */
ass HolaWorld { ain() Lic static void main ( String[] args )
System.out.println("Hola world!");

Hola\	Norld in E	clipse - create	a new project
• File > 1	New > Java Proje	ct	
Droject	Name · HolaWor	Ы	
• Floject		iu	
	000	New Java Project	
	Create a Java Project Create a Java project in the workspace or in an external lor	ation .	V-7.
$\sim$			
$\sim$	Project name: HolaWorld		
	Use Belauti leastion	Android/2011/eclipse-SDK-3.7-macosx-cocpa-x86 64/eclipse/wo	rksoace, Browse
	JRE		
	Use an execution environment JRE:	JavaSE-1.6	
	Use a project specific JRE:	Java SE 6 (MacOS X Default)	
	Use default JRE (currently 'Java SE 6 (MacOS X Default	37	Configure JREs
	Project layout		
	Ose project rolder as root for sources and class files     Oreate separate folders for sources and class files		Configure default
	Working sets		
	Add project to working sets		
	Working sets:		select
	-		
	(?)	( < Back ) ( Next > ) ( C	ancel Finish











## 







### Class Person: usage

```
Person john; //declaration
john = new Person();//create an object of Person
john.name= "John Kim";//access its field
Person sam = new Person();
sam.name="Sam George";
john.printInfo(); // call method
sam.printInfo();
```



Reference	
Person john;	//only created the reference, not an object. It points to nothing now (null).
john = new Person();	<pre>//create the object (allocate storage in memory), and john is initialized.</pre>
john.name="John";	//access the object through the reference

Primitive type	Size	Minimum	Maximum	Wrapper type
boolean	1-bit			Boolean
char	16-bit	Unicode 0	Unicode 2 <sup>16</sup> - 1	Character
byte	8-bit	-128	+127	Byte
short	16-bit	-215	+215-1	Short
int	32-bit	-2 <sup>31</sup>	+2 <sup>31</sup> -1	Integer
long	64-bit	-2 <sup>63</sup>	+263-1	Long
float	32-bit	IEEE754	IEEE754	Float
double	64-bit	IEEE754	IEEE754	Double













# **XML** Review

### XML

■eXtensible Markup Language

□Simple text (Unicode) underneath

□Tags (like in HTML) are used to provide information about the data

Similar to HTML, but:HTML is used to describe how to display the data

 $\square XML$  is used to describe what is the data

□Often used to store and transfer data





#### **XML** Rules

Tags are enclosed in angle brackets.

Tags come in pairs with start-tags and end-tags.

Tags must be properly nested. • <name><email>...</name></email> is not allowed. • <name><email>...</email><name> is.

Tags that do not have end-tags must be terminated by a '/'.

Document has a single root element





