

Computer Science E-76

Building Mobile Applications

Lecture 2: [Android] Java Primer
February 6, 2012

Dan Armendariz
danallan@mit.edu

API:

<http://java.sun.com/javase/6/docs/api/>

Tutorial:

<http://java.sun.com/docs/books/tutorial/java/TOC.html>

Java

Documentation

- Begin with letters, \$, or _
- Subsequent characters also can be numbers
- Case sensitive
- No spaces

name

firstName

phoneNumber

Variables

Naming

abstract	continue	for	new	switch
assert	default	goto	package	synchronized
boolean	do	if	private	this
break	double	implements	protected	throw
byte	else	import	public	throws
case	enum	instanceof	return	transient
catch	extends	int	short	try
char	final	interface	static	void
class	finally	long	strictfp	volatile
const	float	native	super	while

http://java.sun.com/docs/books/tutorial/java/nutsandbolts/_keywords.html

Variables

Reserved Words

byte
short
int
long
float
double
boolean
char

Variables

Primitive Types

String BigDecimal

Variables

Objects

```
int[] grades;  
grades = new int[15];
```

Variables

Arrays

```
if (boolean) {  
    // perform this code  
} else {  
    // otherwise, run this  
}
```

Control Flow

If-else statements


```
switch (variable) {  
    case 1: //code  
        break;  
    case 2: //code  
        break;  
    default: //code  
}
```

Control Flow

Switch

```
while (boolean) {  
    // code  
}
```

Control Flow

While Loops

```
for (init.; term.; update) {  
    // code  
}
```

Control Flow

For Loops

Computer Science E-76

Building Mobile Applications

Lecture 2: [Android] Java Primer
February 6, 2012

Dan Armendariz
danallan@mit.edu