



# Java for Android Cheat Sheet and Quick Ref

## Class Implementation

```
public class MyClass {

    public String mString;
    private int mInt;
    // More member variables

    // Constructor for Class
    public MyClass() {
        mString = "Foo";
        mInt = 10;
    }
    // More methods...
}
```

## Methods

```
public int doIt() {
    return 0;
}
public int doIt(int a) {
    return a;
}
public int doIt(int a, int b) {
    return a+b;
}
```

## Creating/Using an Instance

```
SomeObject a = new SomeObject();
a.getMemberVariable();
a.doIt();
a.doIt(1);
a.doIt(2,3);
```

## Declaring Variables

```
double doubleVar = 1.0
doubleVar = 2.0
```

```
int intVar = 1;
String stringVar = "Hey";
```

```
Boolean truth = true;
```

Variable types	
int	1, 2, 500, 10000
float double	1.5, 3.14, 578.234
boolean	true, false
String	"Kermit", "Gonzo", "Ms. Piggy"
ClassName	Activity, TextView, etc

## Control Flow

```
Boolean condition = true;
if (condition) {
} else {
}
```

```
int val = 5;
switch (val) {
    case 1:
        break;

    case 2:
        break;

    default:
        break;
}
```

```
for (int i = 0; i < 5; i++) {
}
```

## String Quick Examples

```
String personOne = "Ray";
String personTwo = "Brian";
String combinedString = personOne + "
Hello, " + personTwo + "!";
```

```
String tipString = "2499.00";
int tipInt =
Integer.parseInt(tipString);
```

```
double tipDouble =
Double.parseDouble(tipString);
```

## Array Quick Examples

```
String personOne = "Ray";
String personTwo = "Brian";
```

```
String [] array = {personOne,
personTwo};
```

```
for(String person : array) {
    Log.d("person:", person);
}
```

```
String ray = array[0];
```

## Dictionary Quick Examples

```
HashMap<String, String> map = new
HashMap<>();
```

```
map.put("personOne", "Ray");
```

```
// updates old value if already exists
map.put("personOne", "Brian");
map.put("personTwo", "Darryl");
```

```
// remove value for key
map.remove("personOne");
```

```
// iterate through map
for(Map.Entry<String, String>
personEntry : map.entrySet()) {
```

```
    Log.d(personEntry.getKey(),
personEntry.getValue());
```

```
}
```