



```
Some style guidelines

• Name identifiers properly

• Variables → camelCase

• Constants → UPPERCASE

• Indent blocks of code
int main()
{
   indent here
}
```

```
Commenting your code

For all programs in this class

Before int Main

Use comments to describe your program

Data Table

The declaration section must contain a data table

The data table

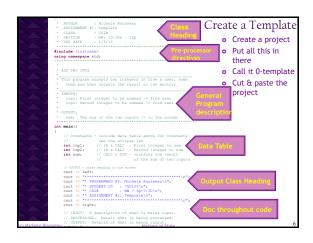
states the use of the variable or named constant & how its value is defined/used.

Other comments should be used throughout your code to Describe what each section is doing

(think in terms of input, processing, & output)

Complicated parts of the code → be descriptive!
```

```
Data Tables
Should state: use of the identifier & how it is used
Comments should be lined up
All identifiers should have their own line and datatype
Which of these are correct?
                  // IN & CALC - first value to average
int firstNum:
int secondNum;
                   // IN & CALC - second value to average
                    // CALC & OUT - average of two values
float average:
CORRECT
int firstNum; // INPUT - first value to average
int secondNum; // INPUT - second value to average
float average; // CALC & OUT - average of two values
INCORRECT
int firstNum:
                     // input value
Int secondNum;
                     // input value
float average:
                     // calculated average
INCORRECT
```



© Michele Rousseau 1

```
Class heading information

First lines in your source file

/****

* AUTHOR : Michele Rousseau

* LAB #1 : Template

* CLASS : CS1A

* SECTION : MW: 10:30a - 12p

* DUE DATE : 1/5/12

Note the dignment

Replace the data in purple with the appropriate data.
```

```
Next...

• Preprocessor Directives then doc for the main program

→ Including a list of inputs and outputs

#include<iostream>
#include</ostream>
#include</ostream>
#include</ostream>
#include</ostream>
#include</ostream>
#include</ostream>
#include</ostream>
```

```
Next → int main

int main ()

{

// Declare your constants here
// document constants above the declarations

Double
space

// OUTPUT - your header and class information here
// (see next slide)

// INPUT: A description of what is being input.
// PROCESSING: Detail what is being processed.

// OUTPUT: Details of what is being output.
return 0;

}

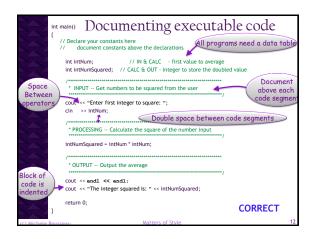
Matters of Sivie
```

```
Header & Class Information

// OUTPUT - class heading to screen
cout << left;
cout < "** PROGRAMMED BY : Michele Rousseau\n";
cout < "* STUDENT ID : 750125\n";
cout << "* STUDENT ID : 750125\n";
cout << "* CSIA : MW - 6p-7:30\n";

// put lab # or Assignment # as appropriate
cout << "* Lab # 7 : Lab Name\n";
cout << "interest information for the project. For assignments put
"Assignment" instead of "Lab"

Or... just you're the code from your eclipse lab
```



```
Initializing Variables

DO NOT INITIALIZE VARIABLES IN THE DECLARATION SECTION.

• Initialize variables just before their use in the program. int count;

count = 0;

CORRECT

int count = 0;

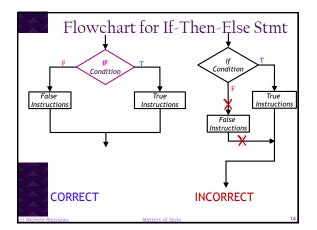
INCORRECT

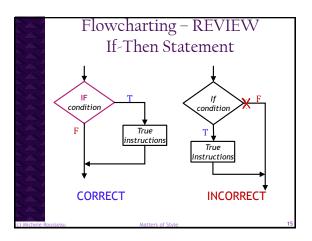
Authorie Rousseau

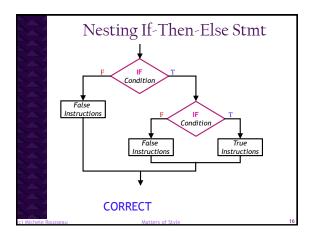
Matters of Style

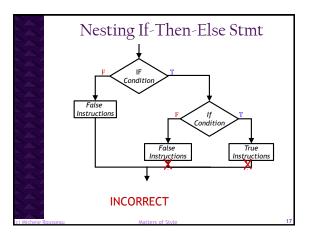
13
```

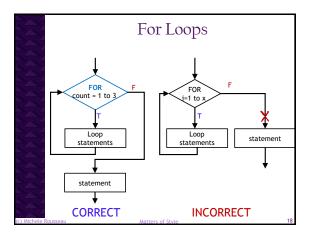
© Michele Rousseau 2

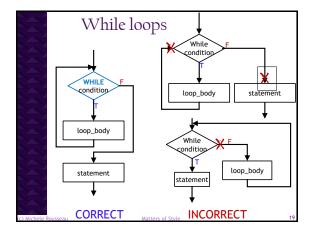












© Michele Rousseau 3