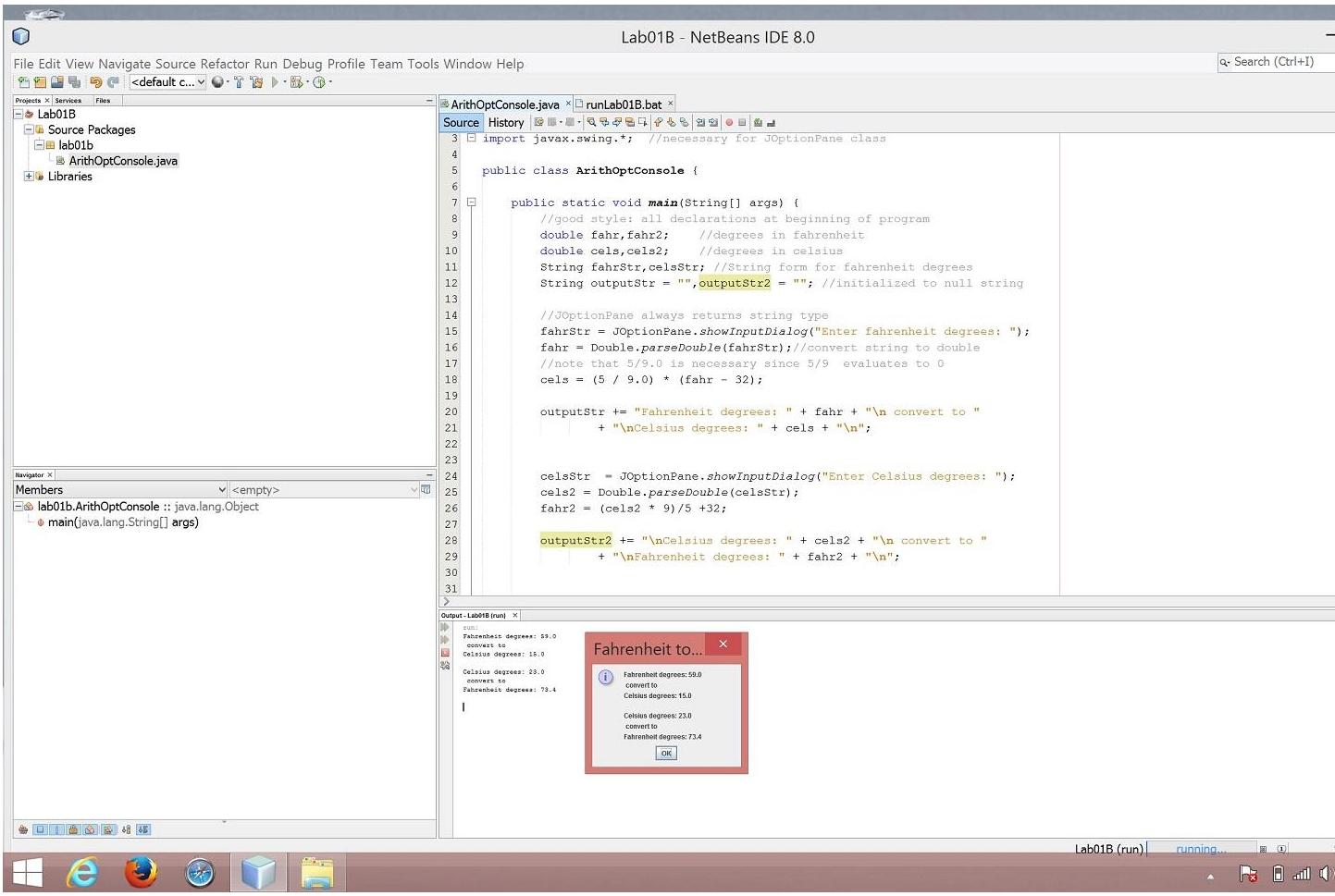
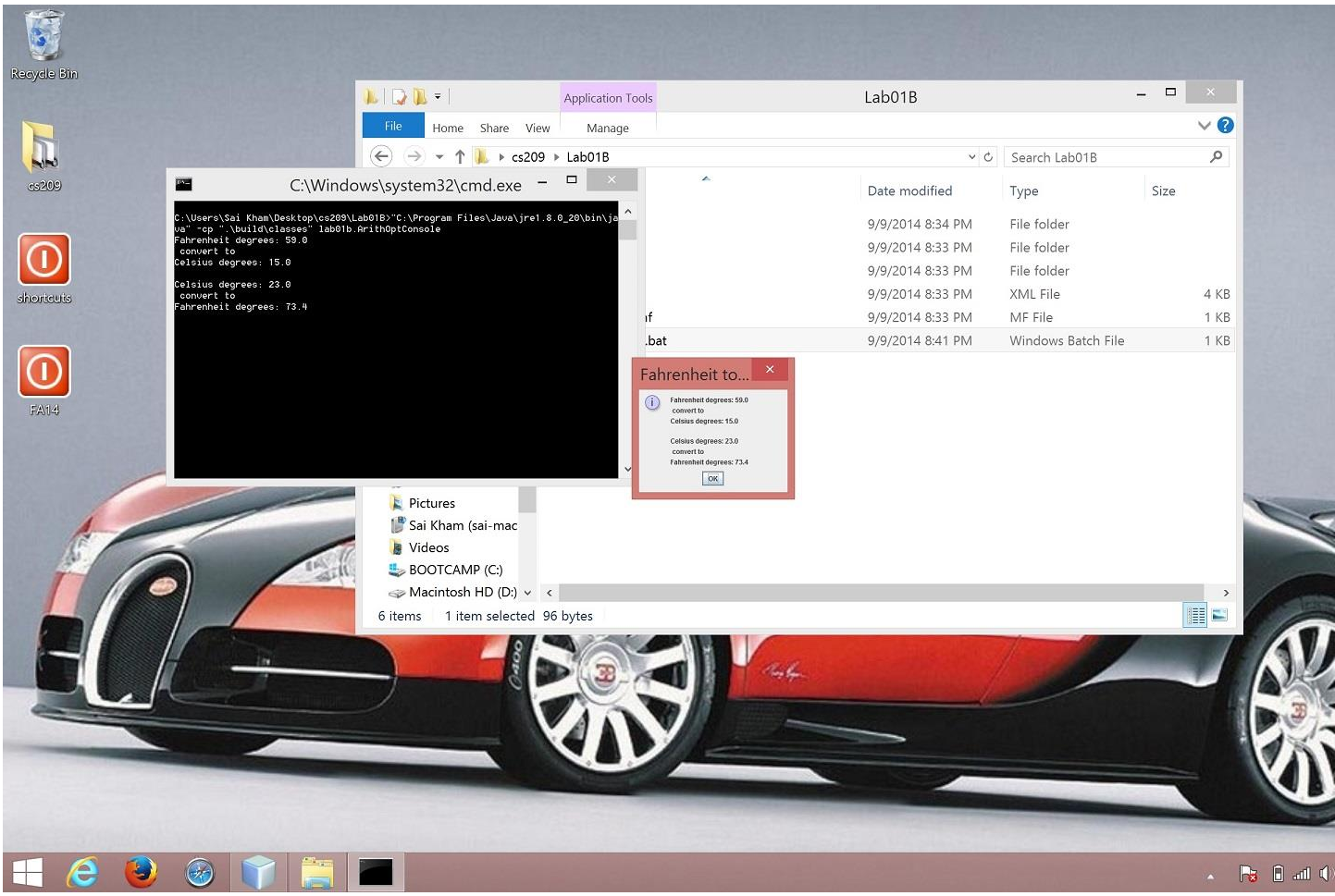
Name: Sai Sao Kham

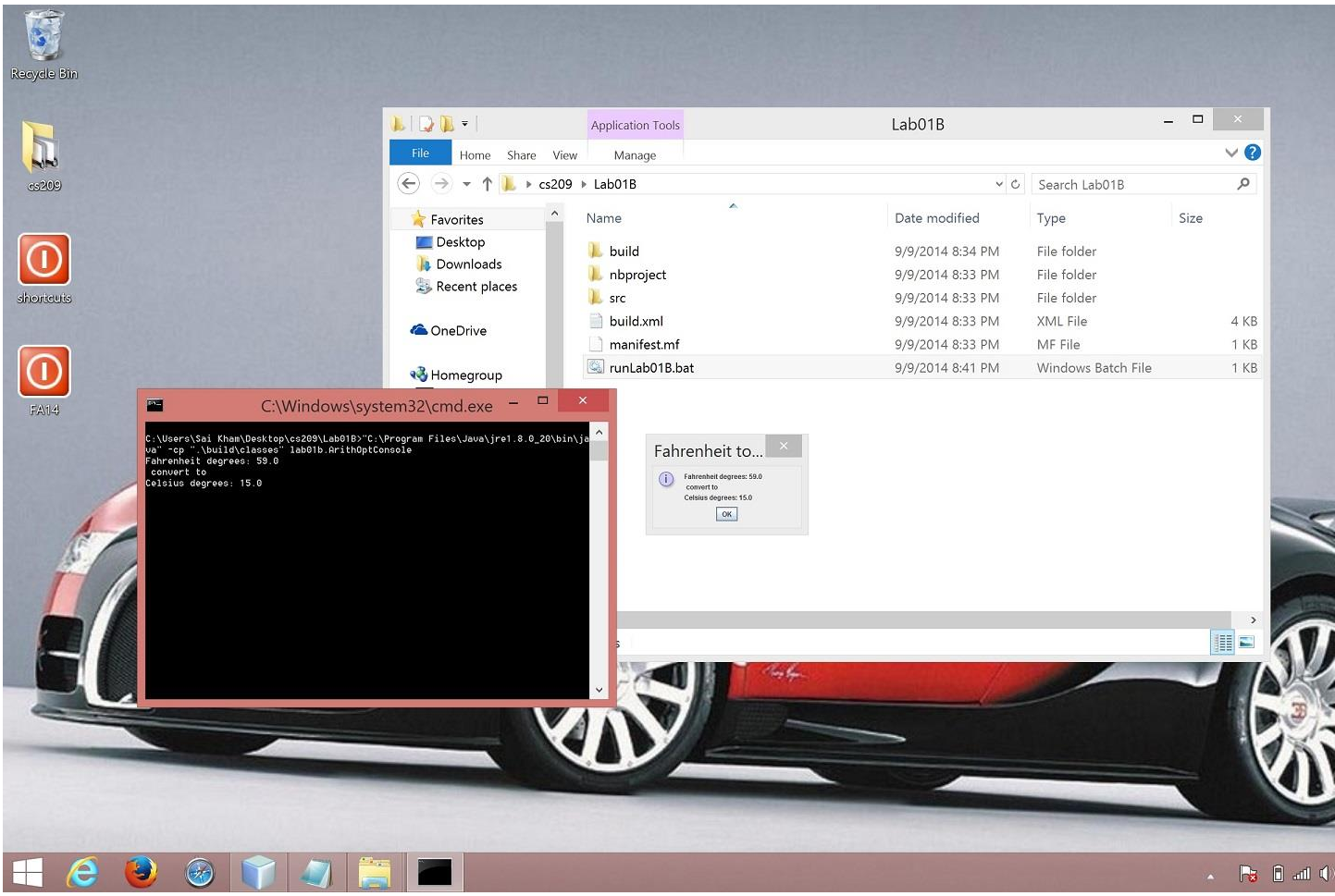
Professor: Streller

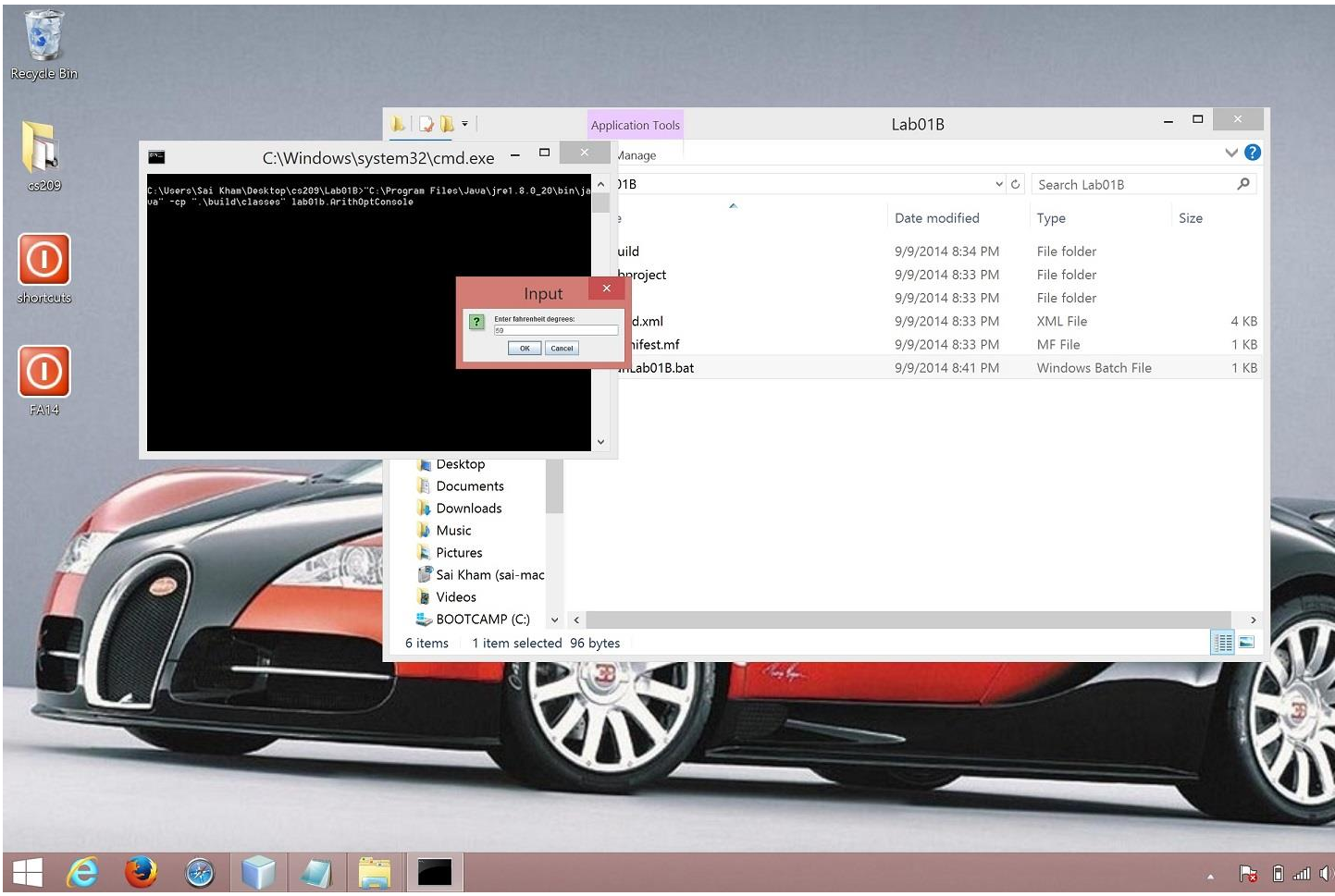
Work: CS_209_Lab01B

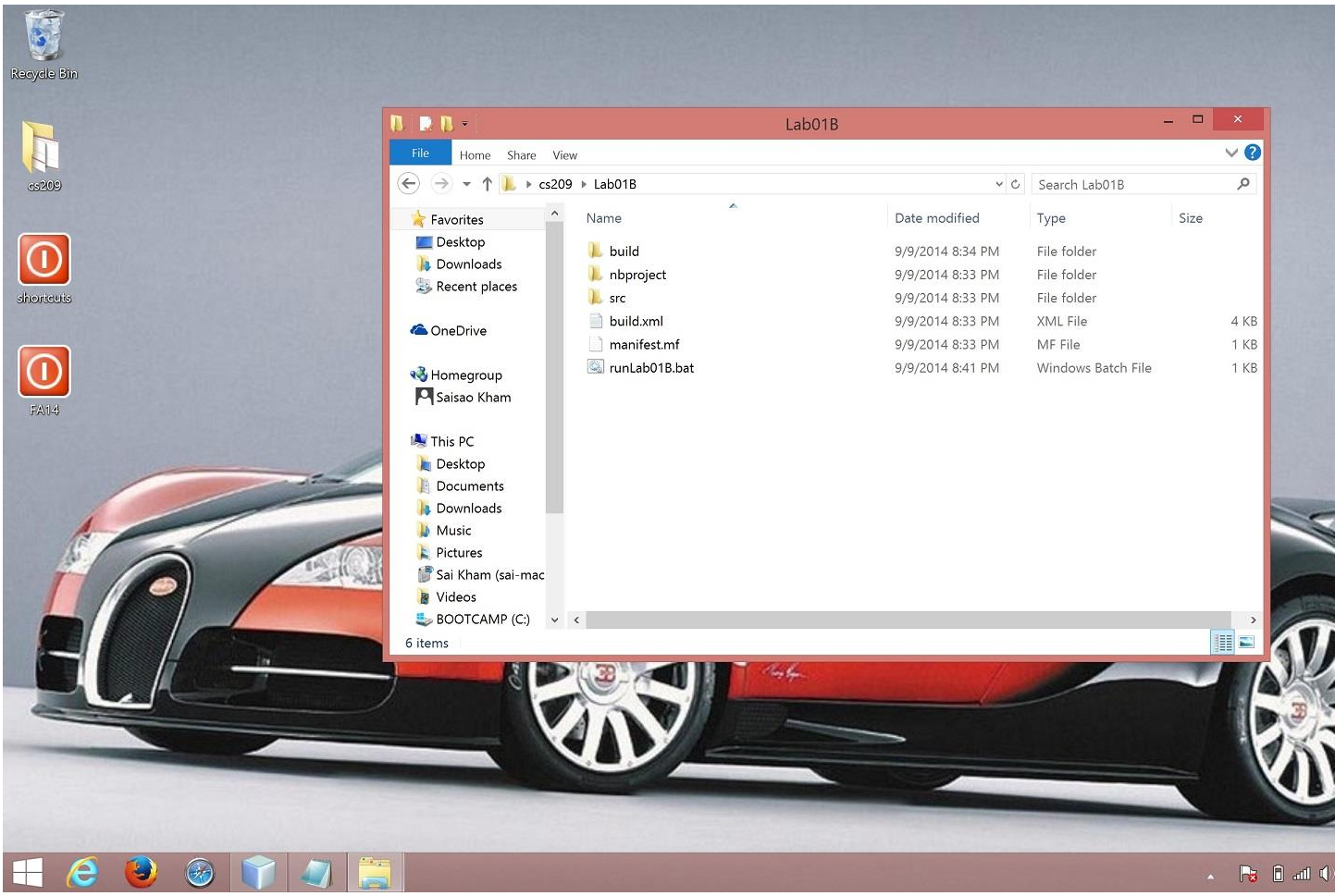
Date: 9/10/14

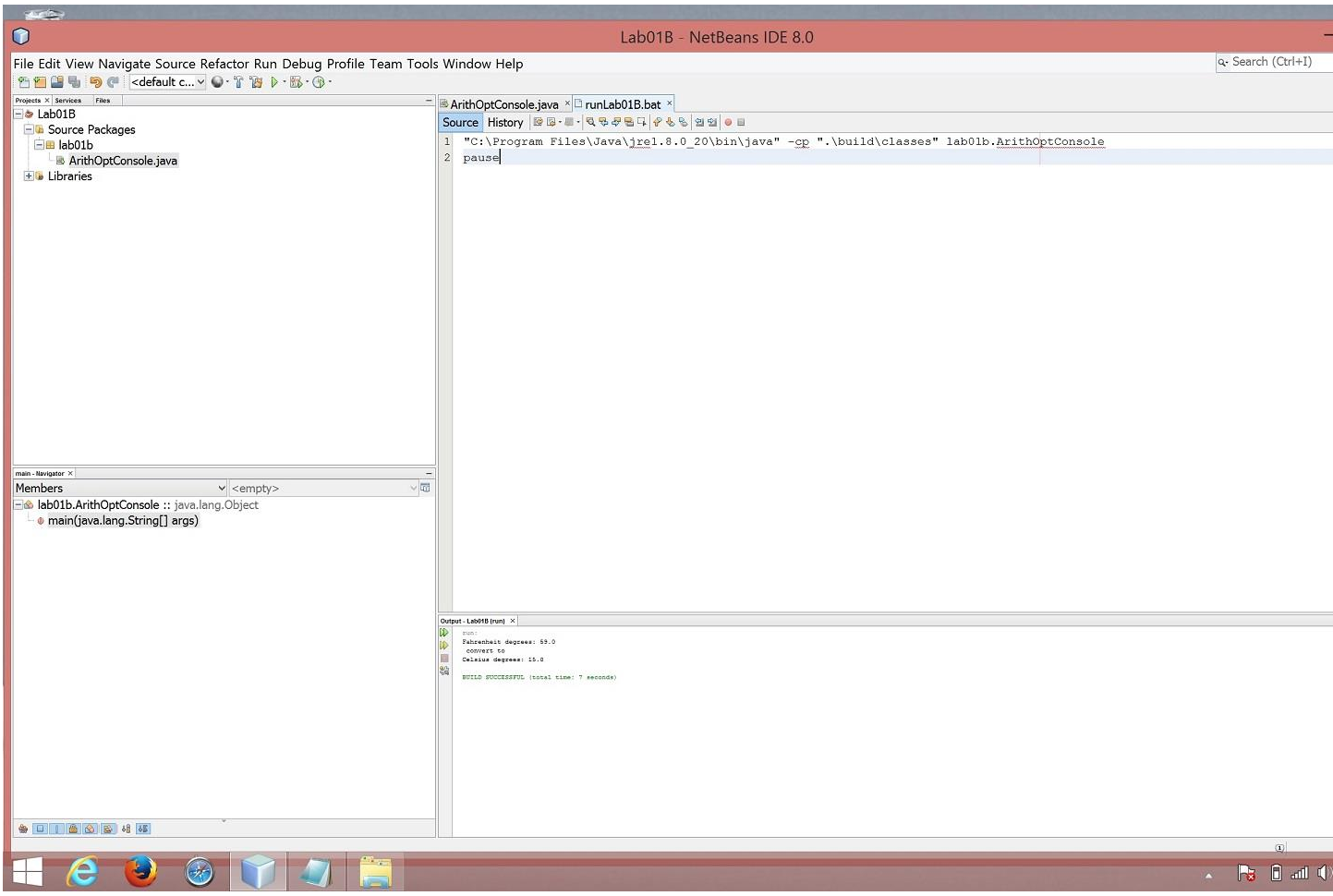

Lab01B - NetBeans IDE 8.0
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Lab01B
Source Packages
lab01b
ArithOptConsole.java
Libraries
ArithOptConsole.java
runLab01B.bat
Source
History
3 import javax.swing.*; //necessary for JOptionPane class
5 public class ArithOptConsole {
7 public static void main(String[] args) {
8 //good style: all declarations at beginning of program
9 double fahr,fahr2; //degrees in fahrenheit
10 double cels,cels2; //degrees in celsius
11 String fahrStr,celsStr; //String form for fahrenheit degrees
12 String outputStr = "",outputStr2 = ""; //initialized to null string
14 //JOptionPane always returns string type
15 fahrStr = JOptionPane.showInputDialog("Enter fahrenheit degrees: ");
16 fahr = Double.parseDouble(fahrStr);//convert string to double
17 //note that 5/9.0 is necessary since 5/9 evaluates to 0
18 cels = (5 / 9.0) * (fahr - 32);
20 outputStr += "Fahrenheit degrees: " + fahr + "\n convert to "
21 + "\nCelsius degrees: " + cels + "\n";
24 celsStr = JOptionPane.showInputDialog("Enter Celsius degrees: ");
25 cels2 = Double.parseDouble(celsStr);
26 fahr2 = (cels2 * 9)/5 +32;
28 outputStr2 += "\nCelsius degrees: " + cels2 + "\n convert to "
29 + "\nFahrenheit degrees: " + fahr2 + "\n";
Navigator
Members
<empty>
lab01b.ArithOptConsole :: java.lang.Object
main(java.lang.String[] args)
Output - Lab01B (run)
run:
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
Celsius degrees: 23.0
convert to
Fahrenheit degrees: 73.4
Fahrenheit to...
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
Celsius degrees: 23.0
convert to
Fahrenheit degrees: 73.4
OK
Lab01B (run)
running...

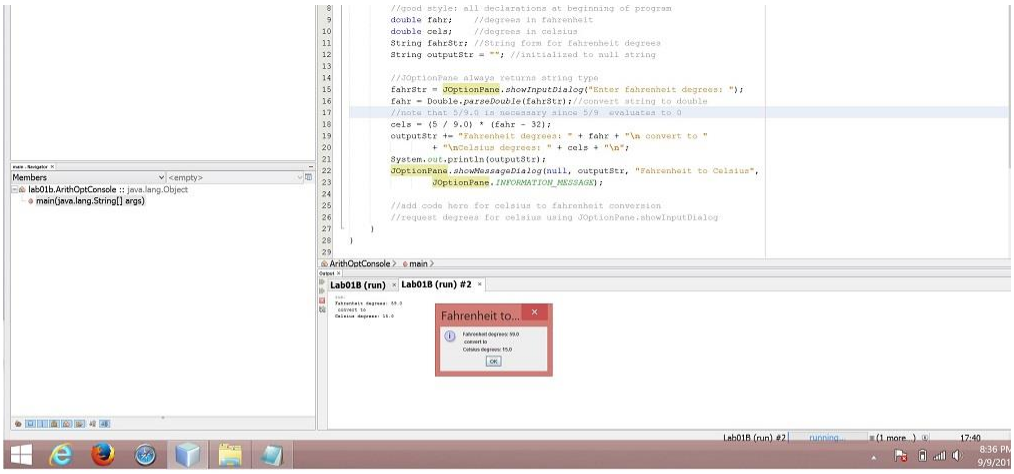

Recycle Bin
cs209
shortcuts
FA14
Lab01B
Application Tools
File
Home
Share
View
Manage
cs209 ▸ Lab01B
Search Lab01B
Date modified
Type
Size
9/9/2014 8:34 PM
File folder
9/9/2014 8:33 PM
File folder
9/9/2014 8:33 PM
File folder
9/9/2014 8:33 PM
XML File
4 KB
9/9/2014 8:33 PM
MF File
1 KB
.bat
9/9/2014 8:41 PM
Windows Batch File
1 KB
C:\Windows\system32\cmd.exe
C:\Users\Sai Kham\Desktop\cs209\Lab01B>"C:\Program Files\Java\jre1.8.0_20\bin\java" -cp ".\build\classes" lab01b.ArithOptConsole
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
Celsius degrees: 23.0
convert to
Fahrenheit degrees: 73.4
Fahrenheit to...
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
Celsius degrees: 23.0
convert to
Fahrenheit degrees: 73.4
OK
Pictures
Sai Kham (sai-mac
Videos
BOOTCAMP (C:)
Macintosh HD (D:)
6 items
1 item selected 96 bytes

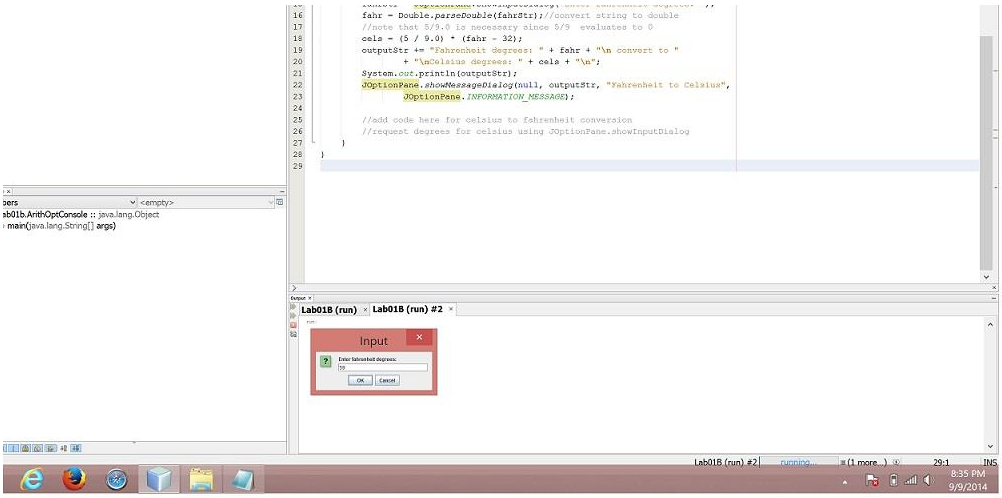

Recycle Bin
cs209
shortcuts
FA14
Application Tools
Lab01B
File
Home
Share
View
Manage
cs209 ▸ Lab01B
Search Lab01B
Favorites
Desktop
Downloads
Recent places
OneDrive
Homegroup
Name
Date modified
Type
Size
build
9/9/2014 8:34 PM
File folder
nbproject
9/9/2014 8:33 PM
File folder
src
9/9/2014 8:33 PM
File folder
build.xml
9/9/2014 8:33 PM
XML File
4 KB
manifest.mf
9/9/2014 8:33 PM
MF File
1 KB
runLab01B.bat
9/9/2014 8:41 PM
Windows Batch File
1 KB
C:\Windows\system32\cmd.exe
C:\Users\Sai Kham\Desktop\cs209\Lab01B>"C:\Program Files\Java\jre1.8.0_20\bin\java" -cp ".\build\classes" lab01b.ArithOptConsole
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
Fahrenheit to...
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
OK


Recycle Bin
cs209
shortcuts
FA14
C:\Windows\system32\cmd.exe
C:\Users\Sai Kham\Desktop\cs209\Lab01B>"C:\Program Files\Java\jre1.8.0_20\bin\java" -cp ".\build\classes" lab01b.ArithOptConsole
Input
Enter fahrenheit degrees:
50
OK
Cancel
Application Tools
Lab01B
Search Lab01B
Date modified
Type
Size
9/9/2014 8:34 PM File folder
9/9/2014 8:33 PM File folder
9/9/2014 8:33 PM File folder
9/9/2014 8:33 PM XML File 4 KB
9/9/2014 8:33 PM MF File 1 KB
9/9/2014 8:41 PM Windows Batch File 1 KB
Desktop
Documents
Downloads
Music
Pictures
Sai Kham (sai-mac
Videos
BOOTCAMP (C:)
6 items
1 item selected 96 bytes


Recycle Bin
cs209
shortcuts
FA14
Lab01B
File
Home
Share
View
cs209 ▸ Lab01B
Search Lab01B
Favorites
Desktop
Downloads
Recent places
OneDrive
Homegroup
Saisao Kham
This PC
Desktop
Documents
Downloads
Music
Pictures
Sai Kham (sai-mac
Videos
BOOTCAMP (C:)
Name
Date modified
Type
Size
build
9/9/2014 8:34 PM
File folder
nbproject
9/9/2014 8:33 PM
File folder
src
9/9/2014 8:33 PM
File folder
build.xml
9/9/2014 8:33 PM
XML File
4 KB
manifest.mf
9/9/2014 8:33 PM
MF File
1 KB
runLab01B.bat
9/9/2014 8:41 PM
Windows Batch File
1 KB
6 items


Lab01B - NetBeans IDE 8.0
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Lab01B
Source Packages
lab01b
ArithOptConsole.java
Libraries
ArithOptConsole.java
runLab01B.bat
Source
History
1 "C:\Program Files\Java\jre1.8.0_20\bin\java" -cp ".\build\classes" lab01b.ArithOptConsole
2 pause
Members
<empty>
lab01b.ArithOptConsole :: java.lang.Object
main(java.lang.String[] args)
Output - Lab01B (run)
run:
Fahrenheit degrees: 59.0
convert to
Celsius degrees: 15.0
BUILD SUCCESSFUL (total time: 7 seconds)


//good style: all declarations at beginning of program
double fahr; //degrees in fahrenheit
double cels; //degrees in celsius
String fahrStr; //String form for Fahrenheit degrees
String outputStr = ""; //initialized to null string
//JOptionPane always returns string type
fahrStr = JOptionPane.showInputDialog("Enter fahrenheit degrees: ");
fahr = Double.parseDouble(fahrStr);//convert string to double
//note that 5/9.0 is necessary since 5/9 evaluates to 0
cels = (5 / 9.0) * (fahr - 32);
outputStr += "Fahrenheit degrees: " + fahr + "\n convert to "
+ "\nCelsius degrees: " + cels + "\n";
System.out.println(outputStr);
JOptionPane.showMessageDialog(null, outputStr, "Fahrenheit to Celsius",
JOptionPane.INFORMATION_MESSAGE);
//add code here for celsius to fahrenheit conversion
//request degrees for celsius using JOptionPane.showInputDialog
Lab01B (run)
Lab01B (run) #2
Fahrenheit to...
OK


fahr = Double.parseDouble(fahrStr);//convert string to double
//note that 5/9.0 is necessary since 5/9 evaluates to 0
cels = (5 / 9.0) * (fahr - 32);
outputStr += "Fahrenheit degrees: " + fahr + "\n convert to "
+ "\nCelsius degrees: " + cels + "\n";
System.out.println(outputStr);
JOptionPane.showMessageDialog(null, outputStr, "Fahrenheit to Celsius",
JOptionPane.INFORMATION_MESSAGE);
//add code here for celsius to fahrenheit conversion
//request degrees for celsius using JOptionPane.showInputDialog
}
}
<empty>
sb01b.ArithOptConsole :: java.lang.Object
main(java.lang.String[] args)
Lab01B (run)
Lab01B (run) #2
Input
Enter fahrenheit degrees:
OK
Cancel
Lab01B (run) #2
running...
(1 more...)
29:1
INS
8:35 PM
9/9/2014