

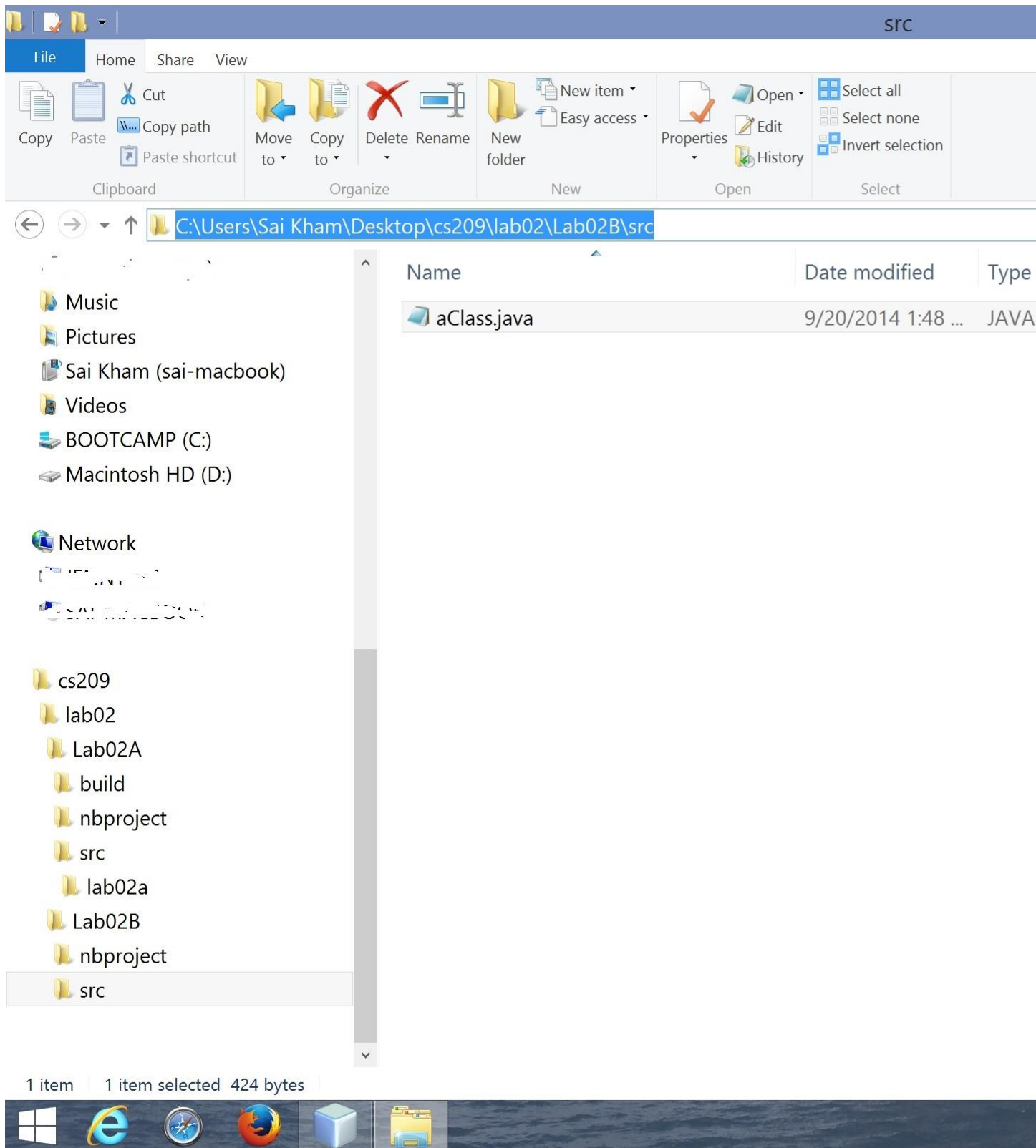
Name: Sai Sao Kham

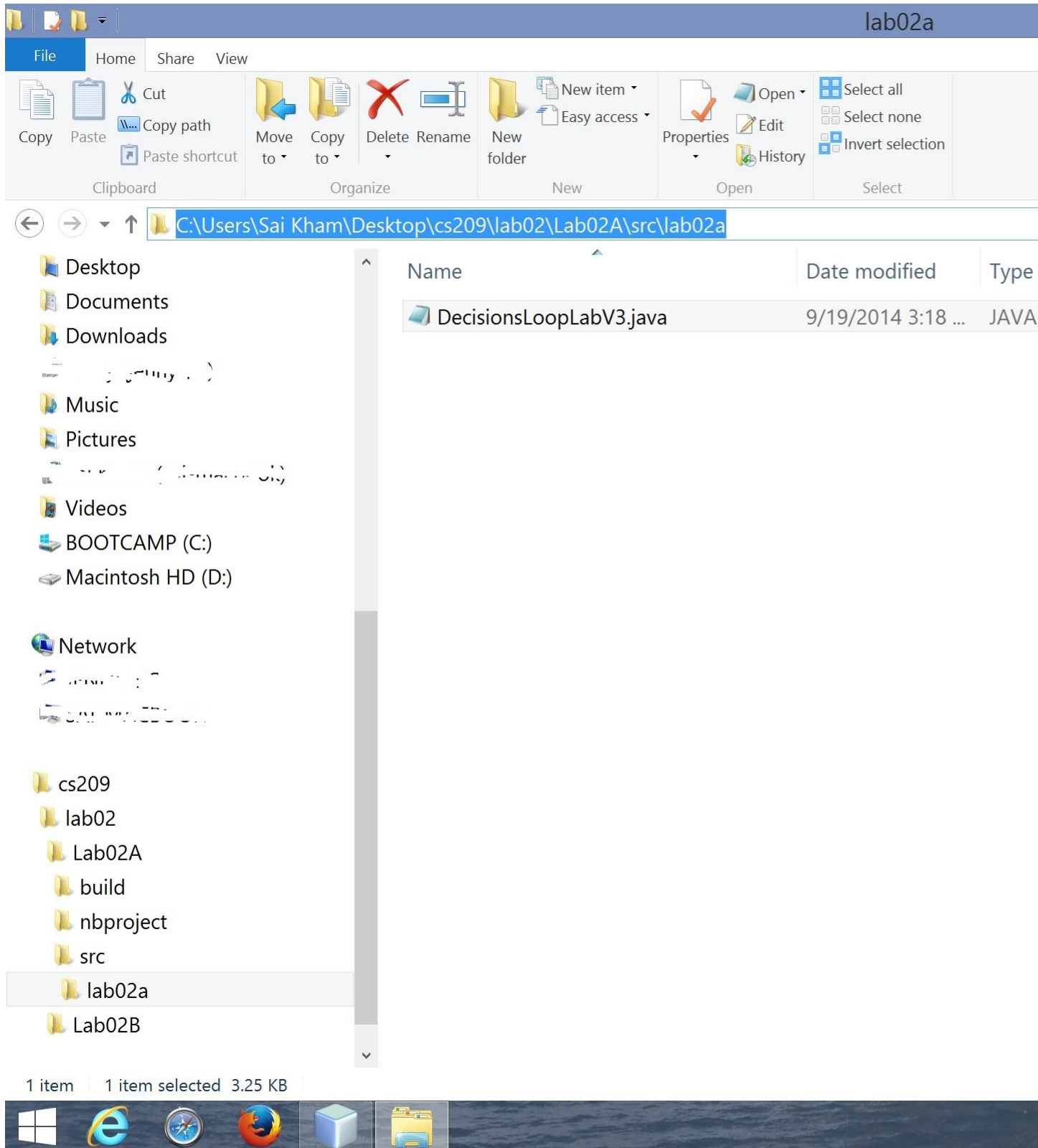
Professor: Streller, Dutta

Assignment: cs209_lab02B

Date: 09/22/2014

This program is about the using of the while-loop, if else statement and break statements, switch statements, formatting of numeric values for display purposes, the use of strings for output and with string concatenation, and the use of JOptionPane dialogs.





The screenshot shows an IDE window with a file named `aClass.java`. The code is as follows:

```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6
7  /**
8   *
9   * @author Sai Kham
10  */
11  public class aClass {
12
13      /**
14       * @param args the command line arguments
15       */
16      public static void main(String[] args) {
17          // TODO code application logic here
18      }
19  }
20
21 }
```

Two Java Swing dialog boxes are shown on the right:

Confirm

Question mark icon: DVD 1, Cat: Action title: Tomorrow Never Dies, Cost: 14.95, total = 14.95 Low
DVD 2, Cat: Comedy title: Midnight at the Museum, Cost: 24.95, total = 39.9 Medium
DVD 3, Cat: Action title: The Dark Knight, Cost: 29.25, total = 69.15 Medium

Continue?

Yes No

Final Results

Information icon: DVD 1, Cat: Action title: Tomorrow Never Dies, Cost: 14.95, total = 14.95 Low
DVD 2, Cat: Comedy title: Midnight at the Museum, Cost: 24.95, total = 39.9 Medium
DVD 3, Cat: Action title: The Dark Knight, Cost: 29.25, total = 69.15 Medium
total cost: \$69.15
level: Medium
You will save \$6.92 on your order with discount rate 10.0 %
Your cost: 62.24

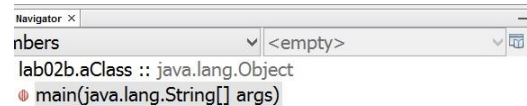
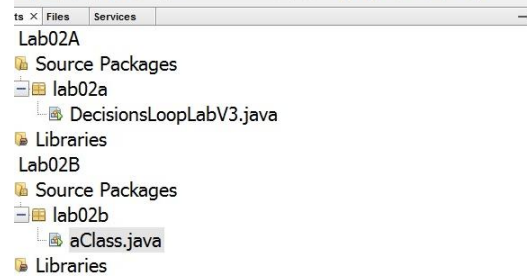
OK

runLab02B.bat - Notepad

File Edit Format View Help

C:\Program Files\Java\jre1.8.0_20\bin\java" -cp ".\build\classes" lab02b.aClass
ause

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help



```

aClass.java
Source History
double cost, total = 0, discountPercent = 0, yourCost = 0; // The double fo
int i = 0, num, resp = 0; // The user's response as to whether to continue

// Initialize the output string to the empty string
String outputStr = "", outputStr2 = "", totalPurchaseLevel = "", discountPercentStr

String category = ""; //Options for user to choose movies
DecimalFormat f = new DecimalFormat("#.##"); // this will helps you to always

// Loop to input information on the user's DVD collection
while (true) {
    // Read in DVD title from user as a string
    title = JOptionPane.showInputDialog("Enter DVD title");

    category = JOptionPane.showInputDialog("Choose category by number \n "
        + "1 Comedy \n 2 Drama \n 3 Action \n 4 ScienceFiction \n 5 Animated");

    num = Integer.parseInt(title);
    {
        switch (num) {
            case 1:
                category = "Comedy";
                break;
            case 2:
                category = "Drama";
                break;
            case 3:
                category = "Action";
                break;
            case 4:
                category = "ScienceFiction";
                break;
            case 5:
                category = "Animated";
                break;
        }
    }
}

```



aClass > main > while (true) > switch (num) > case 5: >

Output

Lab02B (run) Lab02B (run) #4

run:

