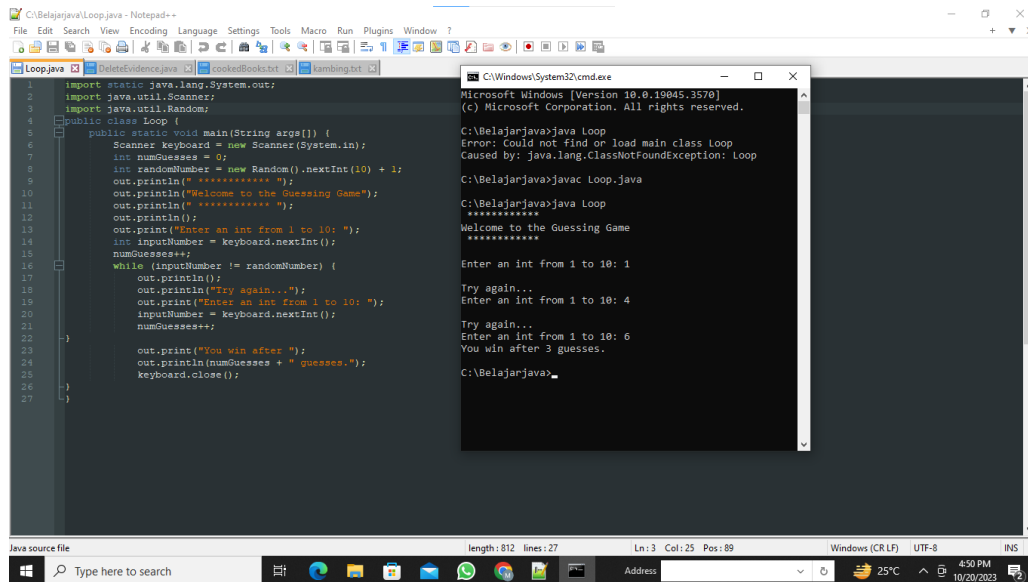


NAMA : M. HAFIZ AKBAR

KELAS : TIF B

Listing 6-1: A Repeating Guessing Game

Source code



```
1 import static java.lang.System.out;
2 import java.util.Scanner;
3 import java.util.Random;
4
5 public class Loop {
6     public static void main(String args[]) {
7         Scanner keyboard = new Scanner(System.in);
8         int numGuesses = 0;
9         int randomNumber = new Random().nextInt(10) + 1;
10        out.println("*****");
11        out.println("Welcome to the Guessing Game");
12        out.println("*****");
13        out.println();
14        out.print("Enter an int from 1 to 10: ");
15        int inputNumber = keyboard.nextInt();
16        numGuesses++;
17        while (inputNumber != randomNumber) {
18            out.println();
19            out.println("Try again...");
20            out.print("Enter an int from 1 to 10: ");
21            inputNumber = keyboard.nextInt();
22            numGuesses++;
23        }
24        out.print("You win after ");
25        out.println(numGuesses + " guesses.");
26        keyboard.close();
27    }
28 }
```

Output:

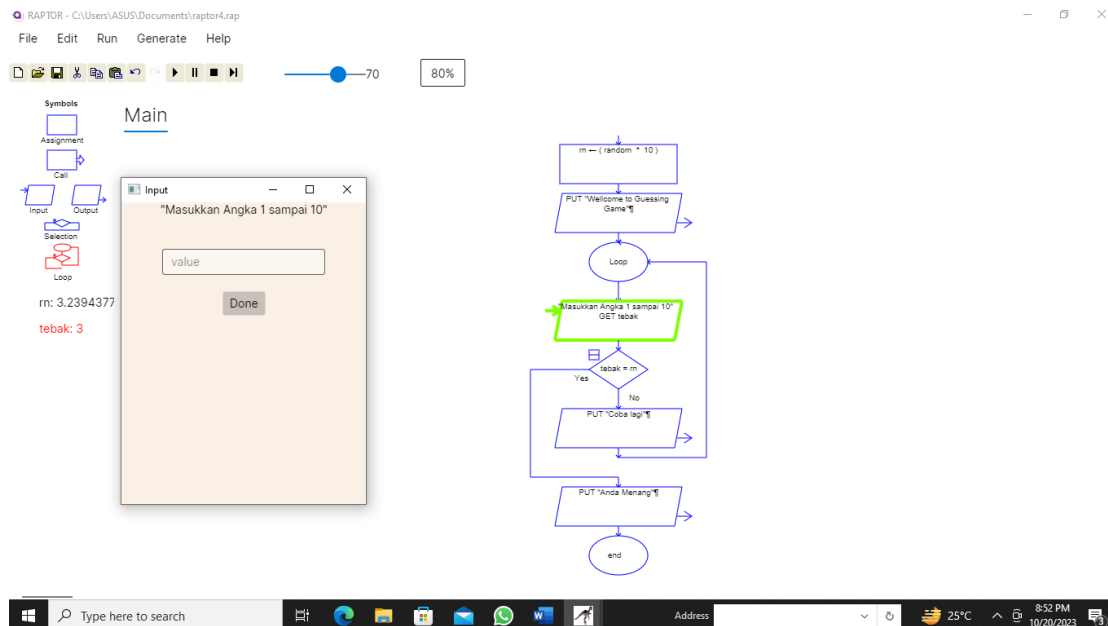
```
C:\Belajarjava>java Loop
Error: Could not find or load main class Loop
Caused by: java.lang.ClassNotFoundException: Loop

C:\Belajarjava>javac Loop.java

C:\Belajarjava>java Loop
*****
Welcome to the Guessing Game
*****

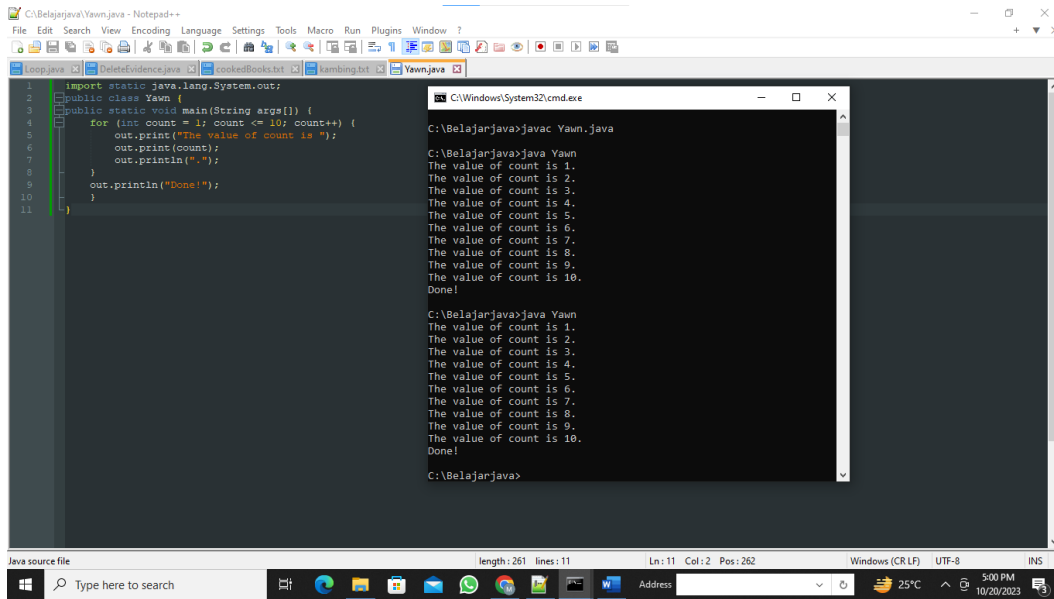
Enter an int from 1 to 10: 1
Try again...
Enter an int from 1 to 10: 4
Try again...
Enter an int from 1 to 10: 6
You win after 3 guesses.
```

Flowchart



Listing 6-2: The World’s Most Boring for Loop

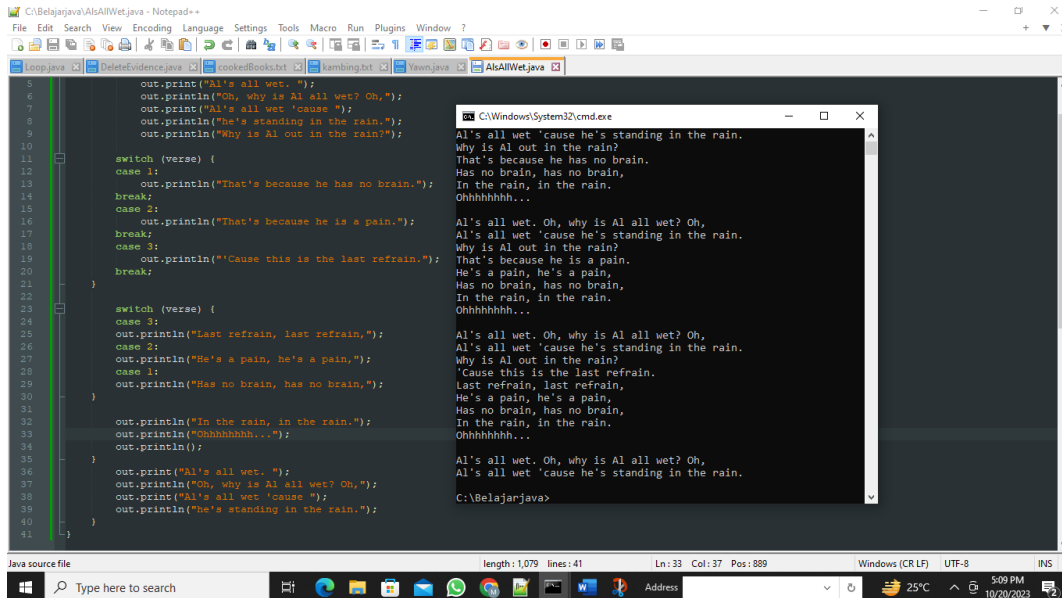
Source code



```
1 import static java.lang.System.out;
2 public class Yawn {
3     public static void main(String args[]) {
4         for (int count = 1; count <= 10; count++) {
5             out.print("The value of count is ");
6             out.print(count);
7             out.println(",");
8         }
9         out.println("Done!");
10    }
11 }
```

```
C:\Windows\System32\cmd.exe
C:\BelajarJava>javac Yawn.java
C:\BelajarJava>java Yawn
The value of count is 1.
The value of count is 2.
The value of count is 3.
The value of count is 4.
The value of count is 5.
The value of count is 6.
The value of count is 7.
The value of count is 8.
The value of count is 9.
The value of count is 10.
Done!
C:\BelajarJava>java Yawn
The value of count is 1.
The value of count is 2.
The value of count is 3.
The value of count is 4.
The value of count is 5.
The value of count is 6.
The value of count is 7.
The value of count is 8.
The value of count is 9.
The value of count is 10.
Done!
C:\BelajarJava>
```

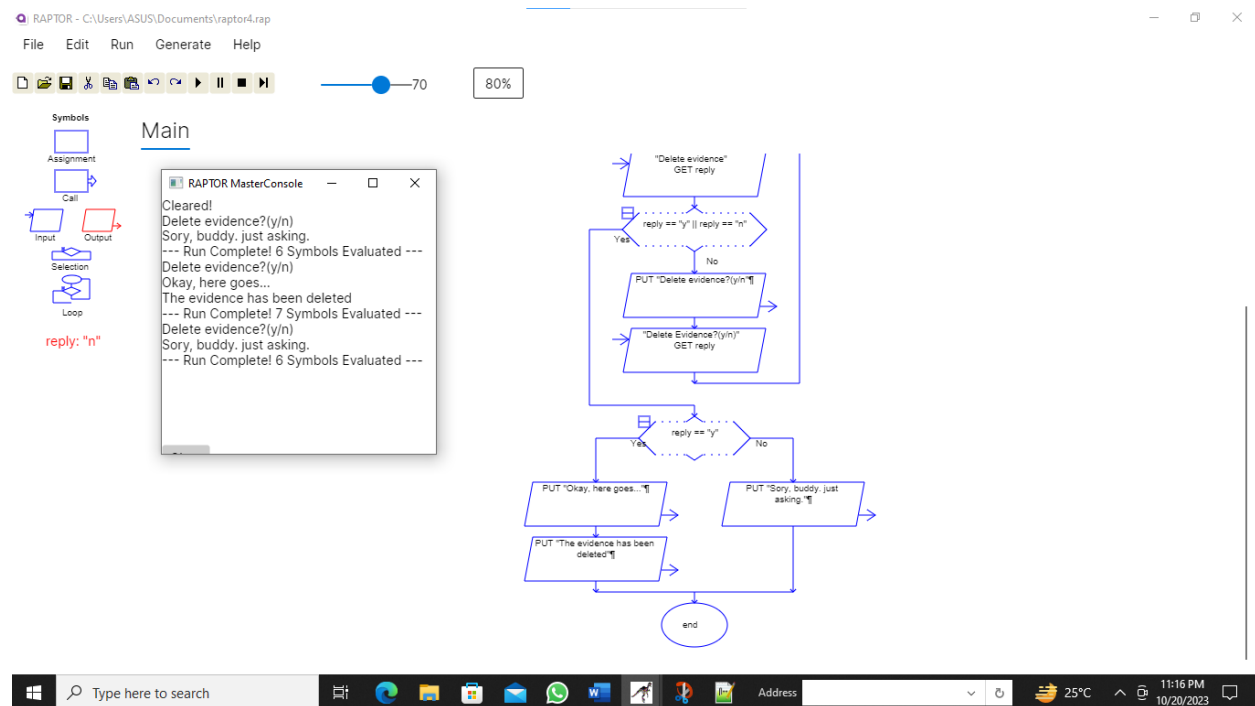
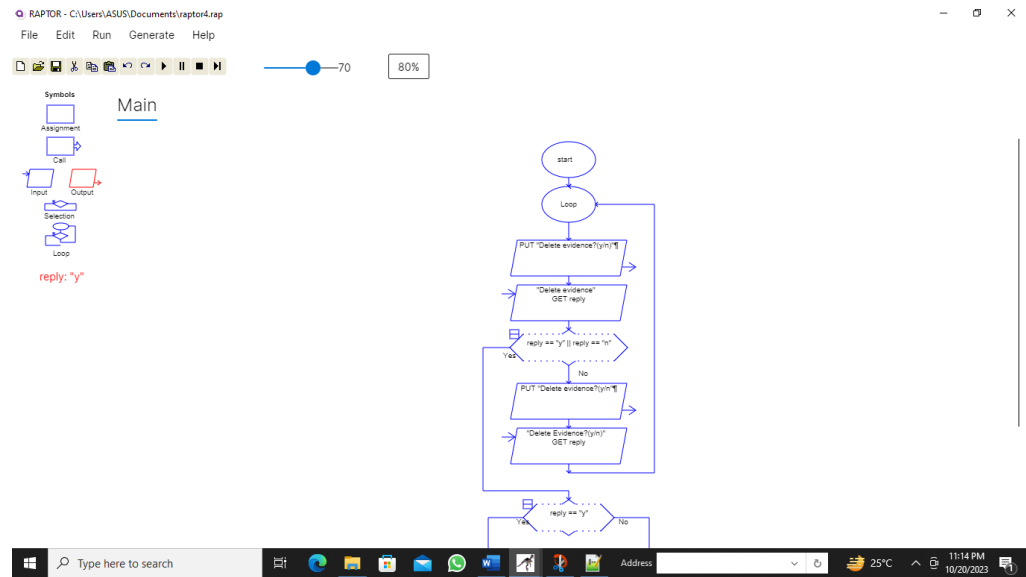
Listing 6-3: The Unabridged “Al’s All Wet” Song



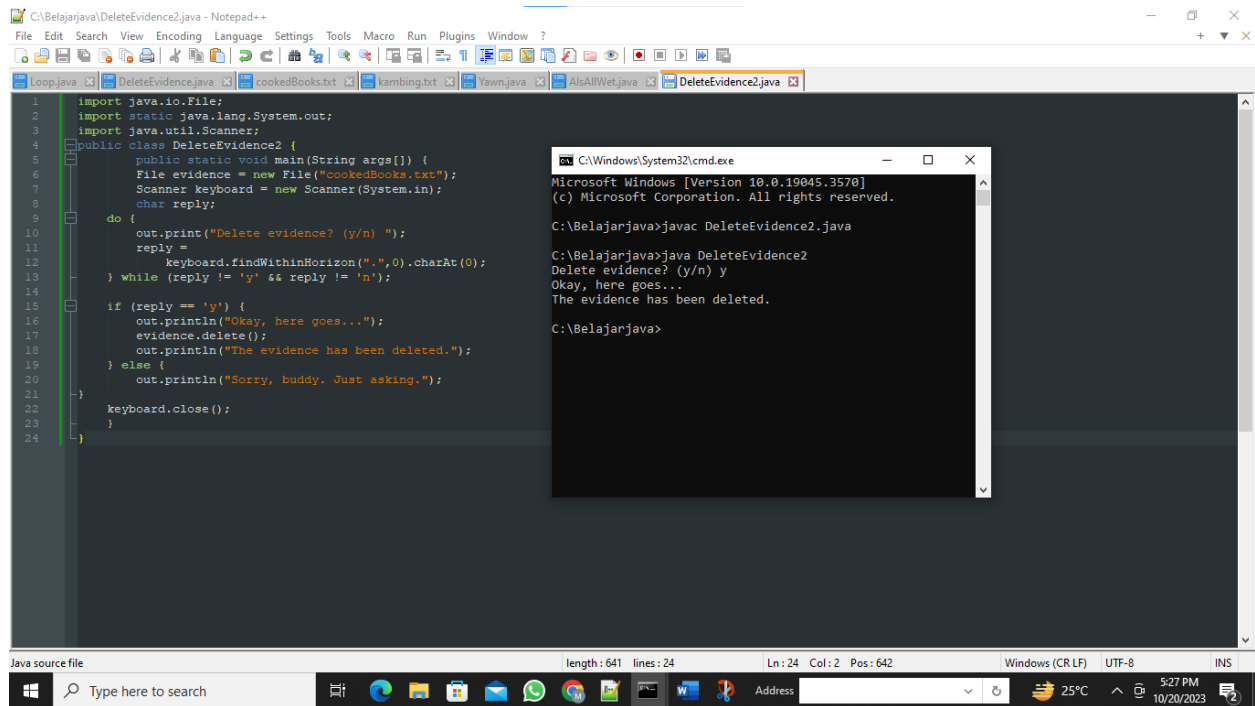
```
5 out.print("Al's all wet. ");
6 out.println("Oh, why is Al all wet? Oh,");
7 out.print("Al's all wet 'cause ");
8 out.println("he's standing in the rain.");
9 out.println("Why is Al out in the rain?");
10
11 switch (verse) {
12     case 1:
13         out.println("That's because he has no brain.");
14         break;
15     case 2:
16         out.println("That's because he is a pain.");
17         break;
18     case 3:
19         out.println("Cause this is the last refrain.");
20         break;
21 }
22
23 switch (verse) {
24     case 3:
25         out.println("Last refrain, last refrain.");
26     case 2:
27         out.println("He's a pain, he's a pain.");
28     case 1:
29         out.println("Has no brain, has no brain.");
30 }
31
32 out.println("In the rain, in the rain.");
33 out.println("Ohhhhhhh...");
34 out.println();
35 }
36
37 out.print("Al's all wet. ");
38 out.println("Oh, why is Al all wet? Oh,");
39 out.print("Al's all wet 'cause ");
40 out.println("he's standing in the rain.");
41 }
```

```
C:\Windows\System32\cmd.exe
Al's all wet 'cause he's standing in the rain.
Why is Al out in the rain?
That's because he has no brain.
Has no brain, has no brain,
In the rain, in the rain.
Ohhhhhhh...
Al's all wet. Oh, why is Al all wet? Oh,
Al's all wet 'cause he's standing in the rain.
Why is Al out in the rain?
That's because he is a pain.
He's a pain, he's a pain,
Has no brain, has no brain,
In the rain, in the rain.
Ohhhhhhh...
Al's all wet. Oh, why is Al all wet? Oh,
Al's all wet 'cause he's standing in the rain.
C:\BelajarJava>
```

Flowchart



6.4 Delete



The screenshot shows a Notepad++ window with a Java source file named `DeleteEvidence2.java`. The code is as follows:

```
1 import java.io.File;
2 import static java.lang.System.out;
3 import java.util.Scanner;
4 public class DeleteEvidence2 {
5     public static void main(String args[]) {
6         File evidence = new File("cookedBooks.txt");
7         Scanner keyboard = new Scanner(System.in);
8         char reply;
9
10        do {
11            out.print("Delete evidence? (y/n) ");
12            reply =
13                keyboard.findWithinHorizon(".",0).charAt(0);
14        } while (reply != 'y' && reply != 'n');
15
16        if (reply == 'y') {
17            out.println("Okay, here goes...");
18            evidence.delete();
19            out.println("The evidence has been deleted.");
20        } else {
21            out.println("Sorry, buddy. Just asking.");
22        }
23        keyboard.close();
24    }
25 }
```

Overlaid on the right side of the Notepad++ window is a Windows command prompt window titled `C:\Windows\System32\cmd.exe`. It shows the execution of the Java program:

```
Microsoft Windows [Version 10.0.19045.3570]
(c) Microsoft Corporation. All rights reserved.

C:\Belajarjava>javac DeleteEvidence2.java

C:\Belajarjava>java DeleteEvidence2
Delete evidence? (y/n) y
Okay, here goes...
The evidence has been deleted.

C:\Belajarjava>
```

The status bar at the bottom of the Notepad++ window indicates the file is a Java source file, has a length of 641, and contains 24 lines. The cursor is at line 24, column 2, position 642. The system tray at the bottom shows the date and time as 5:27 PM on 10/20/2023, and the temperature as 25°C.