

```
Command Prompt

C:\Users\Chet\Dropbox\Misc School Work>javac ClassExamples.java
ClassExamples.java:51: error: variable x is already defined in method main(String[])
        for(int x = 10; x < 20; x = x+1)
              ^
ClassExamples.java:59: error: variable x is already defined in method main(String[])
        for (int x : numbers )
              ^
ClassExamples.java:73: error: variable x is already defined in method main(String[])
        for (int x : numbers )
              ^
ClassExamples.java:83: error: variable x is already defined in method main(String[])
        for (int x : numbers )
              ^
4 errors
C:\Users\Chet\Dropbox\Misc School Work>javac ClassExamples.java
C:\Users\Chet\Dropbox\Misc School Work>java ClassExamples
count= 0
count+= 0
count= 1
++count= 2
count= 2
small < big
value of y : 10
value of y : 11
value of y : 12
value of y : 13
value of y : 14
value of y : 15
value of y : 16
value of y : 17
value of y : 18
value of y : 19
value of y : 10
value of y : 11
value of y : 12
value of y : 13
value of y : 14
value of y : 15
value of y : 16
value of y : 17
value of y : 18
value of y : 19
value of x : 10
value of x : 11
value of x : 12
value of x : 13
value of x : 14
value of x : 15
value of x : 16
value of x : 17
value of x : 18
value of x : 19
10, 20, 30, 40, 50, Jim, Bob, Tom, Li, 10
20
10
20
40
50
C:\Users\Chet\Dropbox\Misc School Work>_
```

The screenshot shows a Java IDE window titled "C:\Users\Chet\Dropbox\Misc School Work\ClassExamples.java - Notepad++". The code is as follows:

```

1 public class ClassExamples
2 {
3     public static void main(String[] args)
4     {
5         //Slide 22, increments
6         int count = 0;
7         System.out.println("count= " + count);
8         System.out.println("count++= " + (count++));
9         System.out.println("count= " + count);
10        System.out.println("++count= " + (++count));
11        System.out.println("count= " + count);
12
13        //Slide 27, Logical Evaluations
14        int small = 1;
15        int big = 1000;
16        if (small > big)
17        {
18            System.out.println("small > big");
19        }
20        else if (small == big)
21        {
22            System.out.println("small == big");
23        }
24        else
25        {
26            System.out.println("small < big");
27        }
28
29        //Slide 28, While loops
30
31        int y = 10;
32
33        while( y < 20)
34    
```

The screenshot shows a Notepad++ window titled "C:\Users\Chef\Dropbox\Misc School Work\ClassExamples.java - Notepad++". The window displays a Java file named "ClassExamples.java" with the following code:

```

63     }
64
65     String [] names = {"Jim", "Bob", "Tom", "Li"};
66     for (String name : names )
67     {
68         System.out.print(name);
69         System.out.print(", ");
70     }
71
72     //Slide 30, break and continue
73     for (int x : numbers )
74     {
75
76         if( x == 30)
77         {
78             break;
79         }
80         System.out.print(x);
81         System.out.print("\n");
82     }
83
84     for (int x : numbers )
85     {
86         if ( x == 30)
87         {
88             continue;
89         }
90         System.out.print(x);
91         System.out.print("\n");
92     }
93
94     return;
95 }

```

The code includes comments and line numbers on the left margin. The first loop prints the names "Jim", "Bob", "Tom", and "Li" separated by commas. The second loop, commented as "Slide 30, break and continue", prints the numbers 1 through 29, then stops at 30 due to the break statement. The third loop prints the numbers 1 through 30, skipping 30 due to the continue statement.

The screenshot shows a Java IDE with the following details:

- Title Bar:** C:\Users\Chef\Dropbox\Misc\School Work\ClassExamples.java - Notepad++
- Menu Bar:** File, Edit, Search, View, Encoding, Language, Settings, Macro, Run, Plugins, Window, ?
- Toolbar:** Standard IDE tools including file operations, editing, and running.
- Tab Bar:** ClassExamples.java, new 3.txt, setup and C, homework 3.txt, npc\_perseus.txt, npc\_perseus.txt, test.txt, HelpWorld.java
- Code Editor:**

```

34  {
35      System.out.print("value of y : " + y);
36      y++;
37      System.out.print("\n");
38  }
39
40  y = 10;
41
42  do
43  {
44      System.out.print("value of y : " + y);
45      y++;
46      System.out.print("\n");
47  }
48  while (y < 20);
49
50  //Slide 29, for loops
51  for(int x = 10; x < 20; x = x+1)
52  {
53      System.out.print("value of x : " + x);
54      System.out.print("\n");
55  }
56
57  int [] numbers = {10, 20, 30, 40, 50};
58
59  for (int x : numbers )
60  {
61      System.out.print(x);
62      System.out.print(" ");
63  }
64
65  String [] names = {"Jim", "Bob", "Tom", "Li"};
66  for (String name : names )
67  {

```
- Status Bar:** java source file, length: 1764, lines: 95, Ln:14, Col:27, Sel:0|0, DosWindows, UTF-8 w/o BOM, INS