Nested Loops

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Nested Loops

- Used to work with x-dimensional data
- For each value in the outer loop all values of the inner loop are executed
- Need to use a different control variable name for each loop (most common i and j)
- However, you can use the control variable of the outer loop in the inner loop (but you can't use the control variable of the outer loop in the inner loop unless you declare the variable before the inner loop).

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Nested Loop Example

Nested Loop Example 2

```
public void nestedForLoopEx2() {
  for (int x = 1; x < 10; x++) { //Print line
    for (int y = 1; y <=x; y++) {
        System.out.print(y);
    }
    System.out.println();
    }
}</pre>
```

References

 Jason Schwarz's Lecture 13 slides: http://courses.ncsu.edu/csc116/

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