**String builder and string formatting**

YouTube tutorial: https://www.youtube.com/watch?v=Va7zaaZVMjo&t=20s

Class *apples.java*:

**class** apples {

**public** **static** **void** main(String args[]) {

//Inefficient

String info = "";

info += "My name is Bob.";

info += " ";

info += "I am a builder";

System.*out*.println(info);

//More efficient

StringBuilder sb=**new** StringBuilder();

sb.append("My name is Sue.");

sb.append(" ");

sb.append("I am a lion tamer");

System.*out*.println(sb.toString());

////////Formatting/////////////////////////////

System.*out*.println("Here is some text.\tThat was a tab.\nThat was a newline.");

System.*out*.println("More text.");

// Formatting integers

System.*out*.printf("Total cost %-10d; quantity is %5d\n", 5, 120);

**for**(**int** i=1; i<=20; i++){

System.*out*.printf("%-2d: %s\n", i , "here is some text");

}

}

}

The result is:

My name is Bob. I am a builder

My name is Sue. I am a lion tamer

Here is some text. That was a tab.

That was a newline.

More text.

Total cost 5 ; quantity is 120

1 : here is some text

2 : here is some text

3 : here is some text

4 : here is some text

5 : here is some text

6 : here is some text

7 : here is some text

8 : here is some text

9 : here is some text

10: here is some text

11: here is some text

12: here is some text

13: here is some text

14: here is some text

15: here is some text

16: here is some text

17: here is some text

18: here is some text

19: here is some text

20: here is some text