Quest 2

100 EXP

CPSC121 SI

Craig: Welcome back Programmer!

Craig: Are you ready to go further into the realms of Computer Science?

Craig: This time we will be going over the cout object.

Craig: The cout object is used to display information on the computer screen.

Craig: As you should know, we use "<<" when we use cout objects. Rex, please show our friend here how you would display "Hello World!" to the computer screen.

Rex: You would use: cout << "Hello World!";

Craig: Exactly, but you can also send the message as multiple parts.

Craig: You can do: cout << "Hello " << "World!";

Craig: You could even do them on separate lines like:

```
cout << "Hello ";
cout << "World!";
```

Rex: Wait, wouldn't that display "Hello " and "World!" on separate lines?

Craig: Nope! The cout object does not go to a new line unless you specifically tell it to.

Rex: How do you display an end line?

Craig: You would use a cout << endl; or you could insert a "\n" into the string that is being displayed.

Craig: In order to print display "Hello " and "World!" on separate lines you would do:

```
cout << "Hello " << endl << "World!";
or
cout << "Hello \nWorld!";
```

Rex: I've heard of endl but not "\n". What is that?

Craig: \n is called an escape sequence. Escape sequences have unique functions. Here are a few that you can use:

Newline(\n): Causes the cursor to go to the next line for subsequent printing
Horizontal tab(\t): Causes the cursor to skip over to the next tab stop
Alarm(\a): Causes the computer to beep

Backspace(\b): Causes the cursor to back up, or move left one position
Return(\r): Causes the cursor to go to the beginning of the current line
Backslash(\\): Causes a backslash to be printed
Single Quote(\'): Causes a single quotation mark to be printed
Double Quote(\"): Causes a double quotation mark to be printed

Craig: Enough talk! Lets get to it. This quest requires you to take the given outputs on the left and turn them into cout statements on the right. Your SI leader will determine if your code is adequate enough to pass this quest. Best of luck:

Outputs: **Code:**

1)

This is a
sample output.

2)

Most Muppets
are
left-handed.

3)

"A penny saved is a penny earned."
-Benjamin Franklin

4)

A back slash is \
A forward slash is /

5)

Tab to here.
Then double tab to here.
Oops, we already tabbed once.