**Printing special characters using the**System.out.println(); **function:**

Certain ASCII characters that are difficult to represent in a string either because they are not viewable (like an enter key) or because they are part of the formatting of strings in Java (like a " or a ' or a \ ) may be displayed using an **ASCII character code** or **control code**.

A command code needs to be placed within a quotation set.

|  |  |
| --- | --- |
| public class HelloWorld  {  public static void main (String[] args)  {  System.out.println("Hello **\n**World!");  }  } | public class HelloWorld  {  public static void main (String[] args)  {  System.out.println("Hello "**\n** "World!");  }  } |
| **Output**  >Hello  >World | **Output**  >ERROR |

Shown below is a chart listing of some common **control codes:**

|  |  |
| --- | --- |
| **Control Code** | **What it means** |
| \n | new line |
| \r | return character |
| \t | Tab |
| \b | Backspace |
| \" | double quote |
| \' | single quote |
| \\ | Backslash |

**Task #1:** For each “output” box below, list the System.out.println(); command that would produce this text. You should guess what you think will work, then check in a Dr. Java program.

1. Output:  
   > My favourite book is “Green Eggs and Ham”.
2. Output:

>What sport do you like?  
>I like soccer\football.

1. Output:

>My  
> name

> is

> Tab

For each example, copy your println() statement into your notes for this unit to demonstrate how you completed the task.