Programming Assignment 1: Console Creatures

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Overview

C# can be used to make nearly anything – even creatures! Using the **Console.WriteLine()** command, you can print text to the console and make something like this:

```
  .-.
 (o  o)
 |  O  |
 |     |
 '~~~'
```

Each part of the ghost is a line of text, using symbols like parentheses **()** and tildes ~. Spooky, right? These type of drawings are sometimes called ASCII art, and you can find them all across the internet.

The C# program is already set-up for you in the Visual Studio starter code. For now, you can ignore everything except the line with **Console.WriteLine();** . You'll be copying and editing this command throughout the project.

Make sure to use double quotes (**"**) and a semicolon (**;**) like so:

```
Console.WriteLine("This will be printed to the console!");
```

Getting Started - Clone your repository

1. Accept the assignment to create your repository for submitting your work:

   https://classroom.github.com/a/bWmQ7P62

2. In GitHub Desktop, clone the repository to your desktop.

You are now ready to begin the exercise.

Build a Creature

1. In Visual Studio, open the existing **ConsoleCreatures** solution.

2. Make sure you are in the **Program.cs** file.

3. Run the code once to see what we have to start.

4. In the **Main** method, before the first **Console.WriteLine()** command, write a comment explaining the purpose of this program.

   Stuck? Get a Hint for Step 4

5. Since the ghostly head has already been created, draw the eyes: write a new **Console.WriteLine()** command with this text inside the parentheses:

   ```
   "(o o)"
   ```

6. *Stuck? Get a Hint for Step 5* Hint for Step 5 Draw the mouth: write another **Console.WriteLine()** command, this time using the text:

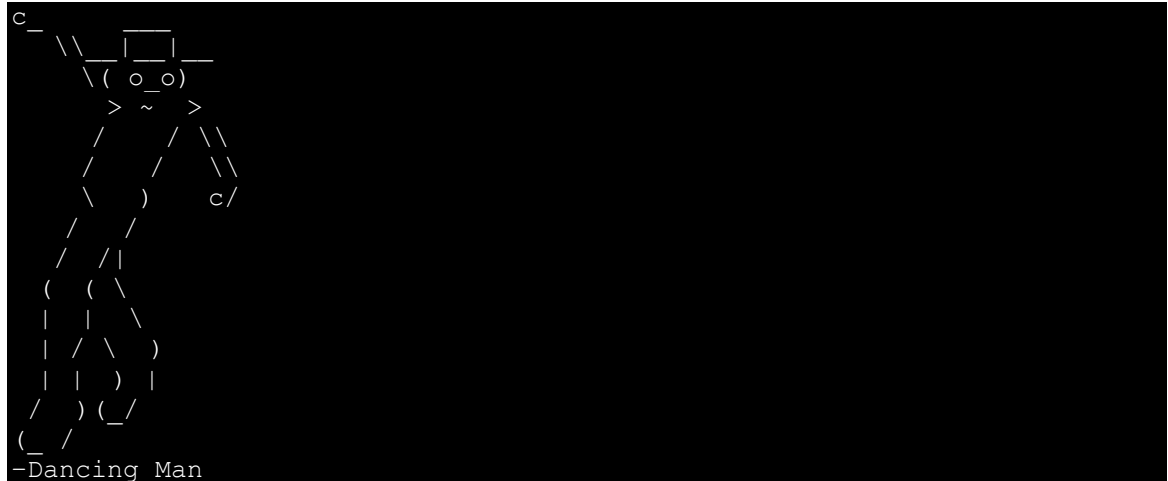   ```
   "| O |"
   ```

   *Stuck? Get a Hint for Step 6*

7. Make the body of the ghost by using two more **Console.WriteLine()** commands and this text:

   ```
   "|     |"
   "'~~~'"
   ```

8. *Stuck? Get a Hint for Step 7* Hint for Step 7 **Name your ghost** by adding another line of text below it.

9. *Stuck? Get a Hint for Step 8* You've built your very own apparition! You can build all kinds of ghouls with this technique. Find even more inspiration in the hint.

```
C_            ___
     \\__|__|__
      \ ( o_o)
         >  ~   >
        /     /  \ \
       /    /     \ \
       \     )     c/
      /    /
     /   / |
    (   ( \
    |   |   \
    | / \   )
    | |  )  |
   /   ) (_/
  (_  /
  -Dancing Man
```

Remember:

- The backslash **** is an escape character in C#, so **\"** will show up as one quote in the output (**"**) and **** will show up as one backslash in the output (****).
- Spaces matter! **" ("** is not the same as **"("**.

Stuck? Get a Hint for Step 9

Submit Your Work

10. Make a final test of your code and copy the output from the terminal window.

11. If you need to make any additional changes to your code, make sure you commit them.

12. By committing and pushing your updates to GitHub you have submitted your assignment on GitHub Classroom.

13. Return to CodeHS.   Paste your output into the code window to complete the assignment.

Hints

Hint for Step 4

A comment must:
- begin with **//** or
- be surrounded by **/*** and ***/**

Return to Step 4 above

Hint for Step 5

Make sure to use double quotes (**"**) and an ending semicolon (**;**).

```
Console.WriteLine("(o o)");
```

Return Step 5 Error! Reference source not found.

Hint for Step 6

Make sure to use double quotes and an ending semicolon.

```
Console.WriteLine("| O |");
```

Return to Step 6 above

Hint for Step 7

Your code should have two new lines:

```
Console.WriteLine("|    |");
Console.WriteLine("'~~~'");
```

Return to Step 7 above

Hint for Step 8

Use **Console.WriteLine()** and use any name you want!

```
Console.WriteLine("Spiro the Specter");
```

Return to Step 8 above

Hint for Step 9

To create the Dancing Man, use this version of the text:

```
c_        ___
  `\\\\__|__|__
     \\( o_o)
      > ~  >
     /    / \\\\
    /    /   \\\\
    \\    )    c/
   /    /
  /   /|
 (   ( \\
 |   |  \\
 | / \\ )
 | |  ) |
 /  ) (_/
(_ /
- Dancing Man
```

```
        (      )
    (   (    )   )
  (   (        )   )
    (   (    )      )
        (      )
      /--------\\
     /   \\    /   \\
    /       0 0      \\
   /         o         \\
   ***************
- Angry Volcano
```

```
      /    \\
     \\\.  ./
     (o + o)
  --|   |   |--
  --|   |   |--
  --|   |   |--
     v   v
     *****
- Super Bug
```