

CS118 Homework Exercises

First Programs

Once you have completed all seven programs, place them all in a ZIP file and submit the ZIP file using the Blackboard submission link. To create a ZIP file in Windows, see this page: http://cs118.kindy.net/zip_file_creation.pdf

1. Write a Python program that simply puts the phrase “Hello, World!” (without the quotes) in the command window. Using only the `print()` statement, it is not possible to keep the command prompt on the same line (after the words “Hello, World!”). Instead, simulate it using the `raw_input()` command. As a comment in your code answer this: How is this different from the actual command prompt?
2. Write a Python program that simply puts the phrase “Hello, World!” (without the quotes) in the command window but have it **print three blank lines** in the command window BEFORE the words appear – use the newline character (`\n`) to achieve this.
3. Create a duplicate of the program from #2 and modify it to also **print three blank lines** in the command window AFTER the words appear – use the newline character (`\n`) to achieve this.
4. Create a duplicate of the program from #2 and modify it to also **print a single blank line** between the words “Hello” and “World”.
5. Create a duplicate of the program from #2, but modify it to also **print two TAB characters** between “Hello” and “World”.
6. Create a duplicate of the program from #2. Modify the program: store (hard-code) your name in the variable `name`. Remove the three blank lines and use the `%s` placeholder in the `print()` format string to print (in the command window) a new line that reads “<your name> is glad to be here.” where <your name> represents the value stored in the variable `name`.

```
>>>
Hello, World!
Matthew Kindy is glad to be here!
>>> |
```

7. Create a duplicate of the program from #6 and modify it: do NOT hardcode the name this time – collect the name from the user using the `raw_input()` function and store the provided name in the variable `name` again. Have this program provide output just like #6.

```
>>>
Your name? Matthew Kindy
Hello, World!
Matthew Kindy is glad to be here!
>>> |
```