# Homework: Hello World in Python

## Objective

Learn how to use the `print()` function in Python to display text on the screen.

## For Practice

1. **Basic Hello World**

   - Write a Python program that prints "Hello, World!" to the console.

   ```python
   print("Hello, World!")
   ```

2. **Personalized Greeting**

   - Modify the program to print a personalized greeting. For example, if your name is John, the output should be "Hello, John!".

   ```python
   name = "John"
   print(f"Hello, {name}!")
   ```

3. **Multiple Lines**

   - Write a Python program that prints the following text on separate lines:

   ```
   Hello, World!
   Welcome to Python programming.
   ```

   ```python
   print("Hello, World!")
   print("Welcome to Python programming.")
   ```

4. **Using Variables**

   - Store the greeting message in a variable and then print it.

   ```python
   message = "Hello, World!"
   print(message)
   ```

## Problem to solve

5. **Combining Strings**

   - Write a program that combines two strings and prints the result. For example, combine "Hello" and "World" to print "Hello World".

6. **Printing Quotes**

   - Write a Python program that prints a quote. For example, print "The only limit to our realization of tomorrow is our doubts of today." - Franklin D. Roosevelt.

7. **Escape Characters**

   - Write a Python program that prints a string with a newline character and a tab character. For example:

   ```
   Hello,
   World!
   ```

8. **Printing a Backslash**

   - Write a Python program that prints a string containing a backslash. For example, print "This is a backslash: \".

9. **Formatted Strings**

   - Write a Python program that uses formatted strings to print the result of a calculation. For example, print "The result of 5 + 3 is 8".

10. **Printing a Multiline String**

   - Write a Python program that prints a multiline string using triple quotes. For example:

   ```
   This is a multiline string.
   It can span multiple lines.
   ```

## Submission

- Save your Python programs in a file named `hello_homework.py`.
- Submit the file to your instructor by the due date.

## Additional Resources

- [Python print() function]

Happy Coding!