

Coding Exercise: 1.3.11- Hello, World! ¹

Chapter 1: Introduction to Object-Oriented
Programming²

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¹A coding exercise for Chapter 1 of the Study Guide on the course Object-Oriented Programming.

²This chapter introduces the basic concepts of Object-Oriented Programming and Java programming language.

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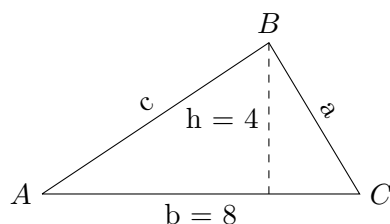
Coding Exercises

Instructions: Write a program that solves the following problems. Submit your code to the Google Drive folder provided by the instructor.

Note 1: You have to answer 2 out of the 4 exercises.

Note 2: You have to answer Exercise 1 and one of the remaining exercises. (e.g., Exercise 1 and Exercise 2, Exercise 1 and Exercise 3, etc.)

1. Write a program that prints "Hello, World!" to the console.
2. Write a program that calculates the area of a triangle given the base and height and prints the result to the console.

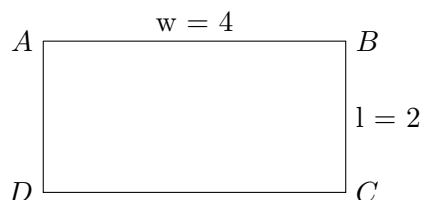


$$b = 8, \text{ the base of the triangle} \quad (1)$$

$$h = 4, \text{ the height of the triangle} \quad (2)$$

$$A = \frac{b \cdot h}{2}, \text{ formula for the area of a triangle} \quad (3)$$

3. Write a program that calculates the area of a rectangle given the length and width and prints the result to the console.

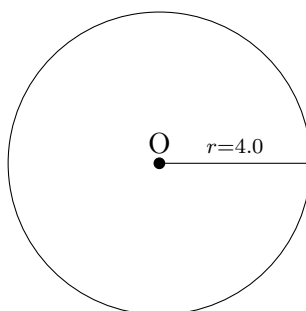


$$l = 2, \text{ the length of the rectangle} \quad (4)$$

$$w = 4, \text{ the width of the rectangle} \quad (5)$$

$$A = l \cdot w, \text{ formula for the area of a rectangle} \quad (6)$$

4. Write a program that calculates the area of a circle given the radius and prints the result to the console.



$$r = 4.0, \text{ the radius of the circle} \quad (7)$$

$$\pi = 3.141592653589793, \text{ the mathematical constant pi} \quad (8)$$

$$A = \pi \cdot r^2, \text{ formula for the area of a circle} \quad (9)$$

Submission of Coding Exercises

Instructions:

1. Go to the Google Drive folder provided by the instructor:

For BSCS 2-1:

<https://drive.google.com/drive/folders/1c56xFCJgFh6FWQQ4iZ-UuKKcWioF8pgs?usp=sharing>

For BSCS 2-2:

<https://drive.google.com/drive/folders/1jANc3o6atOYbHyoJZ6b-j-nDlTknEiu-?usp=sharing>

2. Inside the folder, create another folder for your group with the following format:

Group Number - LastName1_FirstName1, LastName2_FirstName2

Example: **Group 1 - Doe_John, Smith_Jane**

3. Inside the sub-folder, create another folder with the name:

Chapter 1- Coding Exercise 1.3.11- Hello, World!

4. Inside the folder, upload the file of your submission.

Fill in the template provided in the following link and upload it inside the folder:

https://docs.google.com/document/d/1sctvVLgpPSVnXN82k6LsOPSPApKp2rV0/edit?usp=drive_link&oid=112709378145681657270&rtpof=true&sd=true

5. The activity must be submitted **on October 4, 2024**.
6. Late submissions will not be accepted.