

# Coding Exercise: 1.3.11- Hello, World! <sup>1</sup>

Chapter 1: Introduction to Object-Oriented  
Programming<sup>2</sup>

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

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

<sup>3</sup><https://github.com/godkingjay>

Sorsogon State University - Bulan Campus

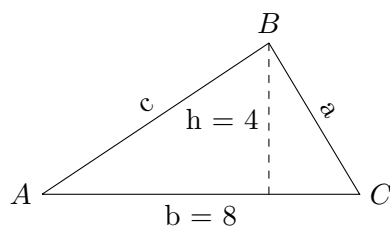
## Coding Exercises

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.

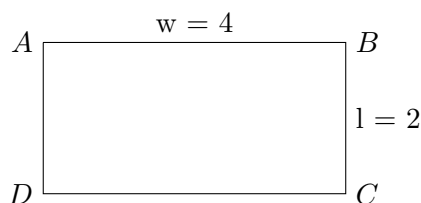


$b = 8$ , the base of the triangle (1)

$h = 4$ , the height of the triangle (2)

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

3. Write a program that calculates the area of a rectangle given the length and width.

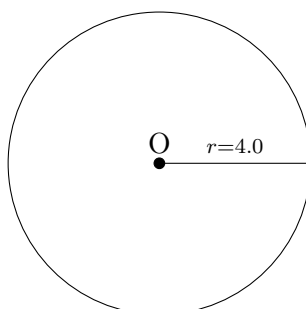


$l = 2$ , the length of the rectangle (4)

$w = 4$ , the width of the rectangle (5)

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

4. Write a program that calculates the area of a circle given the radius.



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

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

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

## Submission of Coding Exercises

Instructions:

1. Go to the Google Drive folder provided by the instructor:  
<https://drive.google.com/drive/folders/1jANc3o6at0YbHyoJZ6b-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](https://docs.google.com/document/d/1sctvVLgpPSVnXN82k6LsOPSPApKp2rV0/edit?usp=drive_link&oid=112709378145681657270&rtpof=true&sd=true)
5. Deadline of submission is on **September 27, 2024**.
6. Late submissions will not be accepted.