Coding Exercise: 1.3.11- Hello, World! [1]

Chapter 1: Introduction to Object-Oriented Programming[2]

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

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

[3] https://github.com/godkingjay

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Coding Exercises

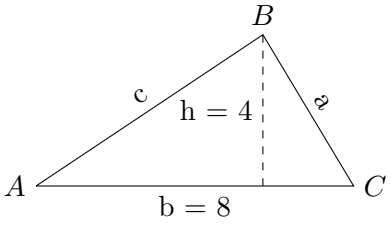
Instructions: Write a program that solves the following problems. Submit your code to the Google Drive folder provided by the instructor.

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.)

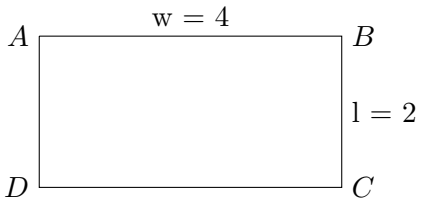
1. Write a program that prints "Hello, World!" to the console.

2. Write a program that calculates the area of a triangle given the base and height and prints the result to the console.



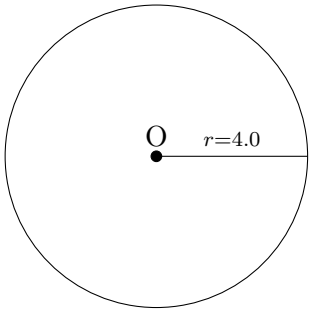
$$b = 8, \text{ the base of the triangle} \tag{1}$$
$$h = 4, \text{ the height of the triangle} \tag{2}$$
$$A = \frac{b \cdot h}{2}, \text{ formula for the area of a triangle} \tag{3}$$

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



$$l = 2, \text{ the length of the rectangle} \tag{4}$$
$$w = 4, \text{ the width of the rectangle} \tag{5}$$
$$A = l \cdot w, \text{ formula for the area of a rectangle} \tag{6}$$

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



$$r = 4.0, \text{ the radius of the circle} \tag{7}$$
$$\pi = 3.141592653589793, \text{ the mathematical constant pi} \tag{8}$$
$$A = \pi \cdot r^2, \text{ formula for the area of a circle} \tag{9}$$

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&ouid=112709378145681657270&rtpof=true&sd=true

5. The activity must be submitted **on or before October 4, 2024**.

6. Late submissions will not be accepted.