

# COEN 243

## Tutorial 8

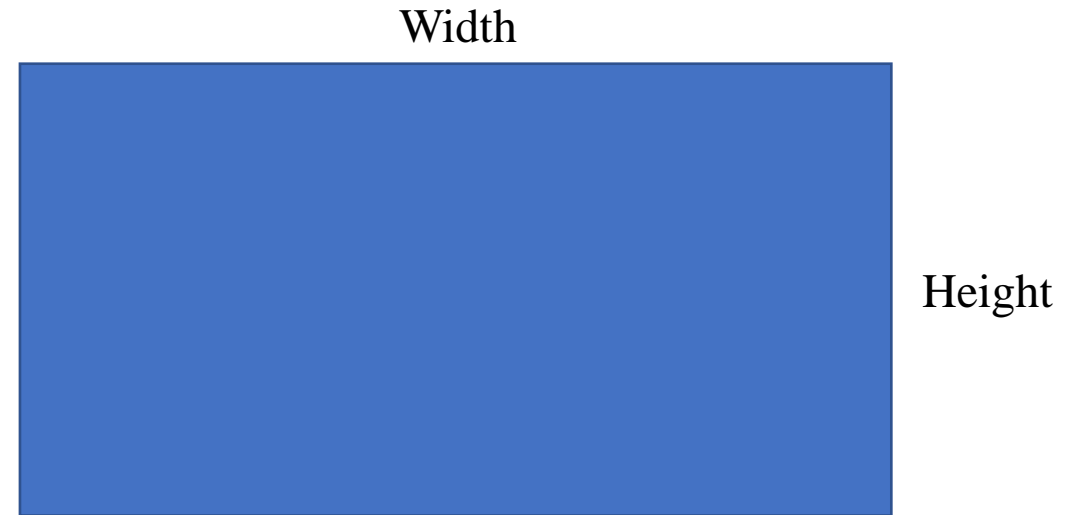
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## Exercise 1

Write a class for the Rectangle Shape with the needed data parameters and functions.

# Data Parameters

- Width: Double
- Height: Double



# Functions

- Constructors.
- Set Functions (SetWidth, SetHeight).
- Get Functions (GetWidth, GetHeight).
  
- ComputeArea ( $A = \text{Width} * \text{Height}$ ).
- ComputePeremeter ( $P = 2 (\text{Width} + \text{Height})$ ).
- ComputeDiagonalLength ( $D = \sqrt{(\text{Width})^2 + (\text{Height})^2}$ ).