

COEN 244

Tutorial 3

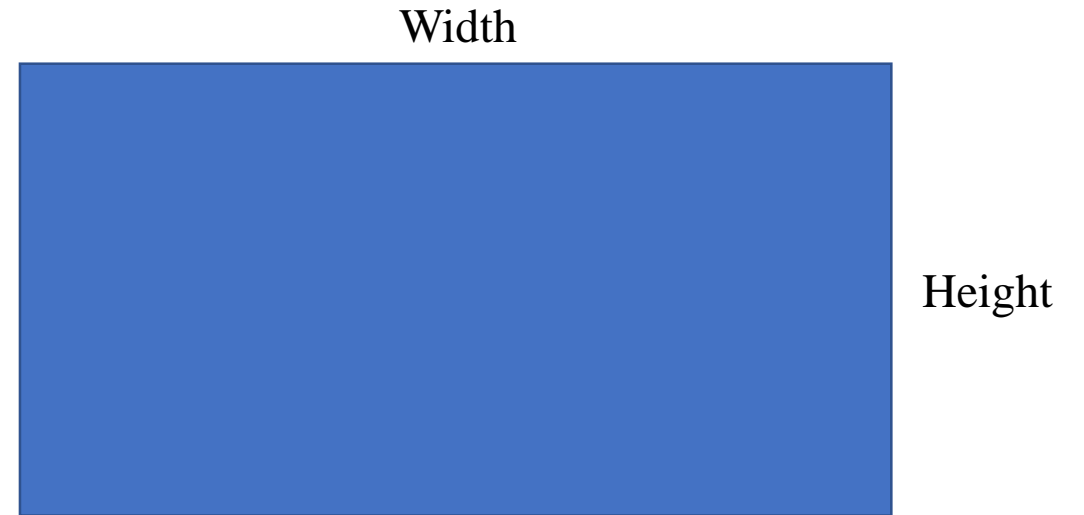
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Exercise 1

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 ($D = \sqrt{(\text{Width})^2 + (\text{Height})^2}$).