Lab Assignments

Do the following assignments using TypeScript, and make an html page to test all of them (Use tsc command and watch to transpiler from TypeScript to JS):

Using TypeScript to solve the following:
  a. Implement Rectangle custom type:
     a. Constructor that width and height.
     b. CalcCircumference() function that returns the circumference of the rectangle.
     c. WhoAmI() Static function that prints text ("I am rectangle").
  b. Implement Square custom type, that inherits from rectangle, and change the following:
     a. Making the constructor of a square takes one parameter only.
     b. In the square constructor, make the width and height of the parent equal.
        i. You'll need to call the super() constructor in the square constructor to access the parent object properties.
     c. Override circumference () to return circumference of the Square.
     d. Override WhoAmI() function to print text ("I am square").
  c. Create objects from rectangle and square and test them, and make sure the square inherits rectangle members.

Implement Generics Stack using typescript and OOP.

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