## Shapes

Create an abstract class Shape with abstract methods calculate\_area and calculate\_perimeter

Create classes Circle (receives radius upon initialization) and Rectangle (receives height and width upon initialization) that implement those methods (returning the result)

The fields of Circle and Rectangle should be **private**

***Submit all the classes and your imports in the judge system***

### Examples

|  |  |
| --- | --- |
| **Test Code** | **Output** |
| circle = Circle(5)  print(circle.calculate\_area())  print(circle.calculate\_perimeter()) | 78.53981633974483  31.41592653589793 |
| rectangle = Rectangle(10, 20)  print(rectangle.calculate\_area())  print(rectangle.calculate\_perimeter()) | 200  60 |