Challenge: Advancing the Shapes Analysis

This lesson brings you a challenge to solve.

WE'LL COVER THE FOLLOWING

- Problem statement

Problem statement

Expand the same program given below, define a type `Triangle`, and let it implement `AreaInterface`. Test this by calculating the area of a specific triangle.

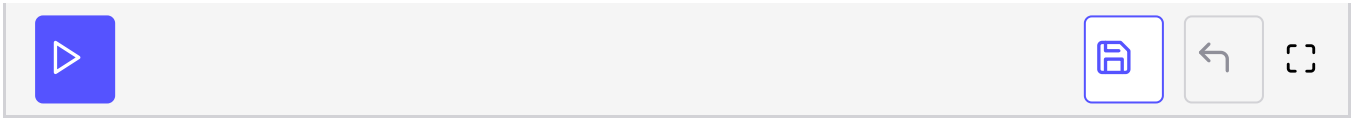
Area of a triangle = $0.5 * (base * height)$

Then, define a new interface `PeriInterface`, which defines a method `Perimeter()`. Let the type `Square` implement this interface and test it with our square value.

Try to solve the challenge below. Good Luck!

```
package main

type Square struct {
        side float32
}

type Triangle struct {  // implement this struct

}

type AreaInterface interface {
        Area() float32
}

type PeriInterface interface { // implement this interface

}
func main() {

}
```

```
func (sq *Square) Area() float32 {
        return sq.side * sq.side
}

func (sq *Square) Perimeter() float32 { // implement method called on square to calculate its
        return 0
}

func (tr *Triangle) Area() float32 { // implement method called on triangle to calculate its
        return 0
}
```



Advancing the Shape Analysis

We hope that you were able to solve the challenge. The next lesson brings you the solution to this challenge.