

Shape	Pseudocode	Flowchart
Rectangle	<pre>input L, W if ((L > 0) and (W > 0)) then { A = L * W P = (2 * L) + (2 * W) output("Area", A) output("Perimeter", P) } else then { output("Invalid input. Please try again.") }</pre>	<pre>graph TD Start([start]) --> Input[input L, W] Input --> Decision{if ((L > 0) and (W > 0))} Decision -- No --> OutputInvalid[output("Invalid input. Please try again.")] OutputInvalid --> End1([end]) Decision -- Yes --> ACalc[A = L * W] ACalc --> PCalc[P = (2 * L) + (2 * W)] PCalc --> OutputArea[output("Area", A)] OutputArea --> OutputPerim[output("Perimeter", P)] OutputPerim --> End2([end])</pre>

Triangle

input a, b, c

if ((a > 0) and (b > 0) and (c > 0)) then {

 s = (a + b + c) / 2.0

 A = sqrt(s*(s-a)*(s-b)*(s-c))

 P = a + b + c

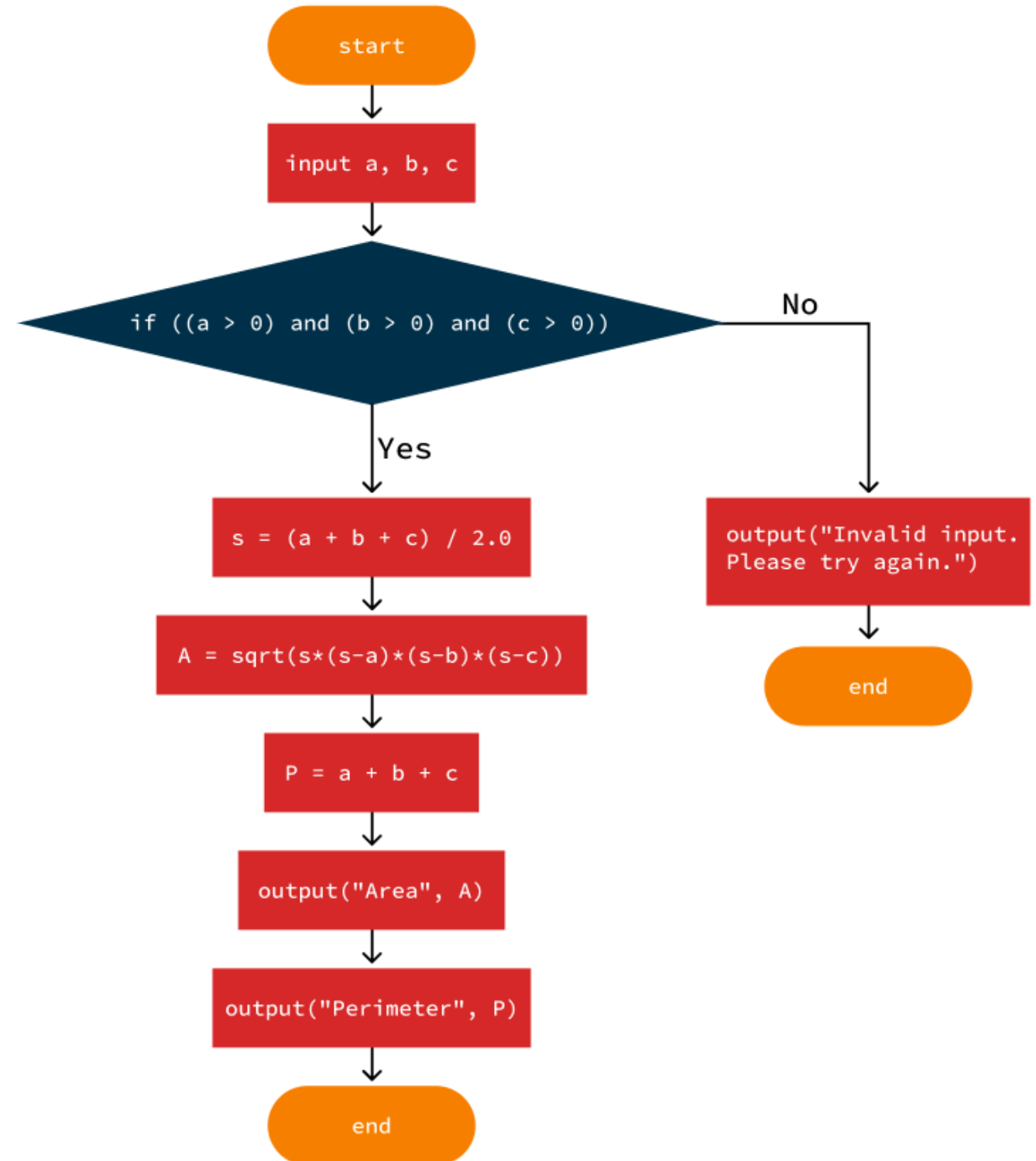
 output("Area", A)

 output("Perimeter", P)

} else then {

 output("Invalid input. Please try again.")

}



Circle

```
input r
set const PI = 3.14159265

if (r > 0) then {

    A = PI * (r * r)
    P = 2 * PI * r

    output("Area", A)
    output("Perimeter", P)

} else then {

    output("Invalid input. Please try again.")

}
```

