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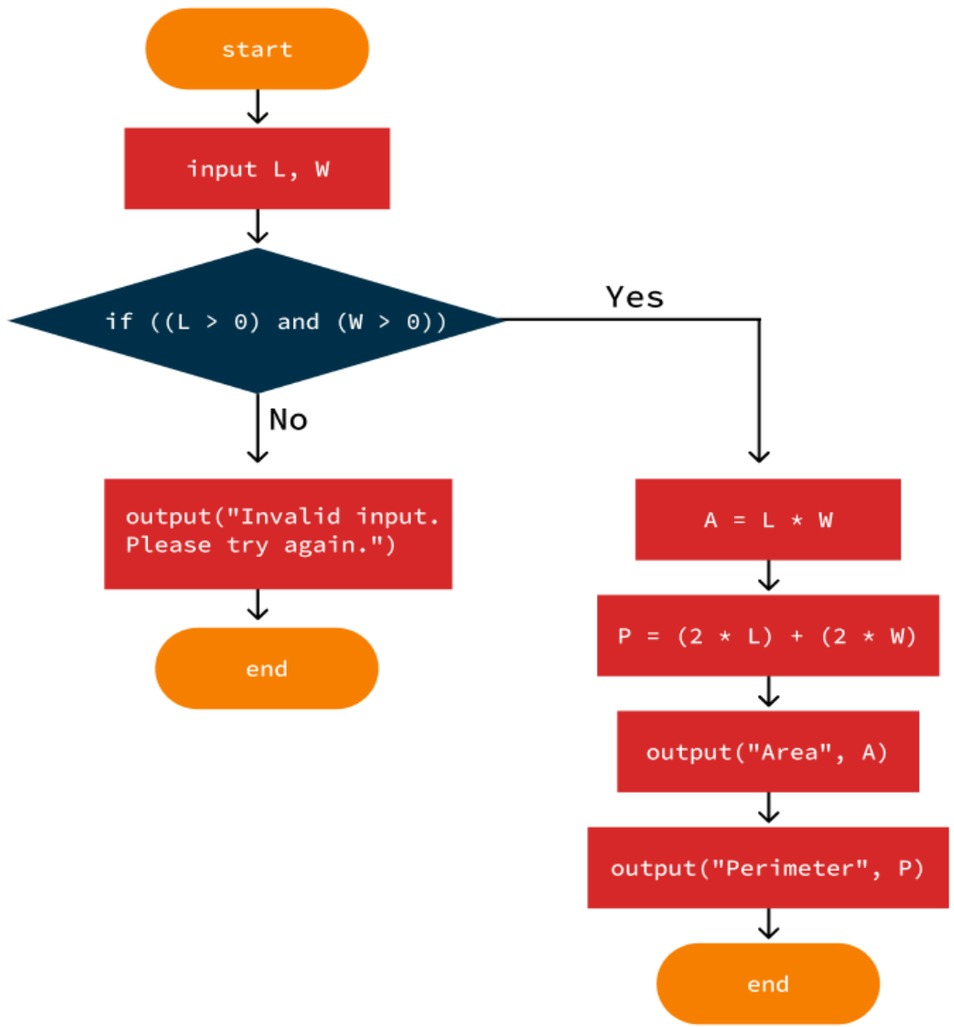
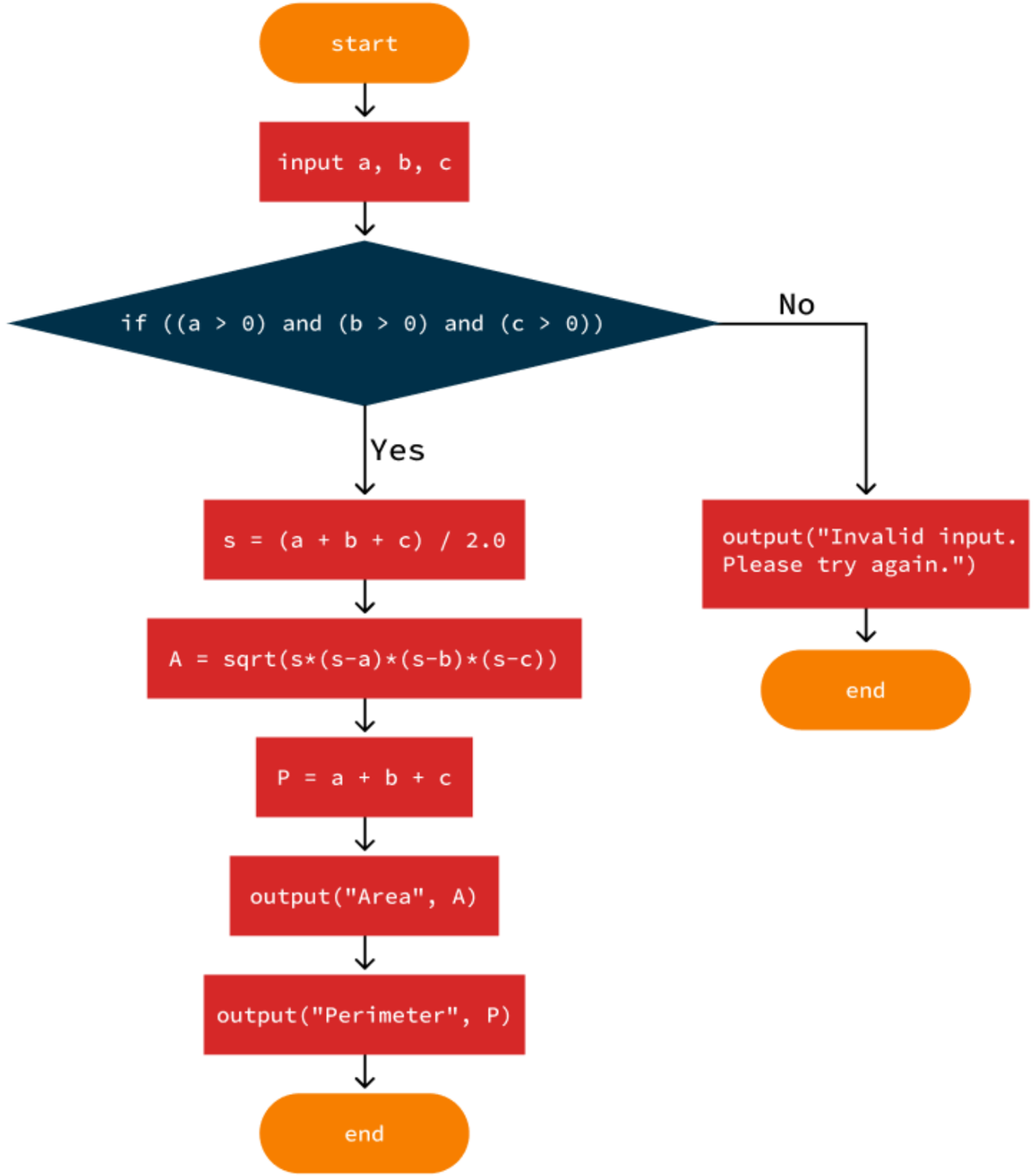
BSCS - 1A
Computer Programming 1
Practice Exercise 2

Shape	Pseudocode	Flowchart

Rectangle	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.")
	
	}
		

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)
    C = 2 * PI * r

    output("Area", A)
    output("Circumference", C)

} else then {

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

}
```