

CS 50 – Spring 2026

Lecture 02

1. Define a function `print_flag()` that prints the following image:

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Then write a program that prints three flags

2. What gets printed when you run the following program?

```
def function1(a, b):  
    print(a+b)  
    return a*b  
  
def function2(x):  
    print(x+2)  
    y = function1(x, x-2)  
    return y+1  
  
num = function1(3, 6)  
num2 = function2(num) + 1  
print(num2 + 10)
```

3. Define a function `area_rec` that takes two parameters, `length` and `width`, and calculates the area of `length x width` rectangle.

Define a function `area_tri` that takes two parameters, `x` and `y`, and calculates the area of a triangle of length `x` and height `y`.

Using your two functions, write a program to compute the area of the following shape

