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In [ ]: #modular_functions.py
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In [2]: import math
def calculate_area(shape, dimension1, dimension2=0):
    shape= shape.lower()

    if shape == "circle":
        return math.pi * (dimension1 ** 2)
    elif shape == "rectangle":
        return dimension1 * dimension2
    elif shape == "triangle":
        return 0.5 * dimension1 * dimension2
    else:
        return "Invalid shape"

print("Circle area (radius 5):", calculate_area("circle", 5))
print("Rectangle area (5x10):", calculate_area("recatangle",5,10))
print("Triangle area (base 6, height 8):", calculate_area("triangle",6,8))

Circle area (radius 5): 78.53981633974483
Rectangle area (5x10): Invalid shape
Triangle area (base 6, height 8): 24.0
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In [ ]:
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