**Polymorphism:**

Different objects can have methods with the same name, but the behavior differs.

**Example**-

class Shape:

def area(self):

pass # This is just a placeholder

class Circle(Shape):

def \_\_init\_\_(self, radius):

self.radius = radius

def area(self):

return 3.14 \* self.radius \*\* 2

class Rectangle(Shape):

def \_\_init\_\_(self, length, width):

self.length = length

self.width = width

def area(self):

return self.length \* self.width

# Create objects

circle = Circle(5)

rectangle = Rectangle(4, 6)

print(f"Circle Area: {circle.area()}") # Output: 78.5

print(f"Rectangle Area: {rectangle.area()}") # Output: 24

A screenshot of a computer program

Description automatically generated