Method overriding in python

Method overriding is a powerful feature in object oriented programming that allows you redefine a method in a derived class. The method in the derived class is said to be override the method in the base class. When you create an instance of the derived class is executed rather than the version in the base class.

In Python method overriding is a way to customize the behavior of a class based on its specific needs, For Example the following base class.

```python
class Shape:
    def __init__(self,x,y):
        self.x=x
        self.y=y

    def area(self):
        return self.x*self.y

class Circle(Shape):
    def __init__(self,radius):
        self.radius=radius
        # super().__init__(radius*radius)
    # def area():
    #     return 3.14*super().area()


rec=Shape(3,5)
print(rec.area())

# c=Circle(5)
# print(c.area())
```

Source Code

```python
class Shape:
    def __init__(self,x,y):
        self.x=x
        self.y=y

    def area(self):
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```python
        return self.x*self.y

class Circle(Shape):
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Thank You