

Shape and Rectangle Python Program

```
# define base class shape
class shape:
    # function to initialize the data members
    def _get_Length_Breadth(self):
        self._length = int(input("Enter length: "))
        self._breadth = int(input("Enter breadth: "))

# defining derived class 'Rectangle'
class Rectangle(shape):
    # function to calculate area of rectangle
    def calculate_area(self):
        print("area of rectangle is", self._length * self._breadth)

# creating object
obj = Rectangle()

# calling function to get input
obj._get_Length_Breadth()
obj.calculate_area()
```