





```
class NonNegative:

    def __set__(self, instance, value):
        if value < 0:
            raise ValueError(f'{self.name} must be positive')
        if instance is not None:
            instance.__dict__[self.name] = value

    def __set_name__(self, owner, name):
        self.name = name

    def __get__(self, instance, owner=None):
        if instance is None:
            return self
        return instance.__dict__.get(self.name)
```



```
class Order:
    price = NonNegative()
    quantity = NonNegative()

    def __init__(self, name, price, quantity):
        self.name = name
        self.price = price
        self.quantity = quantity

    @property
    def total(self):
        return self.price * self.quantity
```



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    def __set_name__(self, owner, name):
        self.name = name

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