

Solution

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class book:
    def __init__(self, aut, pub, p, cp=0):
        self.author=aut
        self.publisher=pub
        self.price=p
        self.copies=cp
    def get_author(self):
        return self._author
    def set_author(self, aut):
        self._author=aut
        return
    author=property(get_author, set_author)
    def get_publisher(self):
        return self._publisher
    def set_publisher(self, pub):
        self._publisher=pub
        return
    publisher=property(get_publisher, set_publisher)
    def get_price(self):
        return self._price
    def set_price(self, p):
        self._price=p
        return
    price=property(get_price, set_price)
    def get_copies(self):
        return self._copies
    def set_copies(self, cp):
        self._copies=cp
        return
    copies=property(get_copies, set_copies)

    def get_royalty(self):
        if self.copies<=500:
            self._royalty=self.copies*self.price*10/100
        elif self.copies<=1000:
            self._royalty=500*self.price*10/100+ \
                (self.copies-500)*self.price*12.5/100
        else:
            self._royalty=500*self.price*10/100 + \
                500*self.price*12.5/100 + \
                (self.copies-1000)*self.price*15/100
        return self._royalty

class ebook(book):
    def __init__(self, aut, pub, p, cp=0, form=None):
        super().__init__(aut, pub, p, cp)
        self.format=form
    def get_format(self):
        return self._format
    def set_format(self, form):
        self._format=form

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        return
    format=property(get_format, set_format)
    def get_royalty(self):
        ryl=super().get_royalty()
        ryl=ryl-ryl*12/100
        self._royalty=ryl
        return self._royalty

if __name__ == "__main__":
    print ('print book example')
    b1=book('aa','ss',100,600)
    print ("Royalty earned : ", b1.get_royalty())
    print ('ebook example')
    e1=ebook('aa','ss',100, 3, 'PDF')
    print ('Royalty earned' , e1.get_royalty())
```