BOOKSMOCK

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Simple app that calculates discounts to showcase the use of mockito to test it. It takes it a Price and its discount to calculate the Price after.

☑ BookPrice.java × ☑ Discount.java

DISCOUNT

```
▶ BooksMock ▶ BooksMock ▶ BookPrice ▶ Com.academia.BooksMock ▶ BookPrice ▶
1 package com.academia.BooksMock;
 3 import java.math.BigDecimal;
 5 public class BookPrice {
       private final Discount discount;
       public BookPrice(Discount discount) {
10
           this.discount = discount;
11
12
        public BigDecimal calculatePrice(BigDecimal basePrice, BigDecimal discountRate) {
13⊜
            if (basePrice == null || discountRate == null) {
14
                throw new IllegalArgumentException("Base price and discount rate must not be null");
15
16
17
           BigDecimal discountAmount = discount.calculateDiscount(basePrice, discountRate);
18
19
20
            return basePrice.subtract(discountAmount);
21
22
```

Parameter Parame

```
∅ BookPrice.java  ∅ Discount.java  ∅ BookPriceTest.java ×

* 

■ BooksMock * 

■ src/test/java * 

■ com.academia.BooksMock * 

□ BookPriceTest *
14
16
        private Discount discount;
17
        @InjectMocks
19
        private BookPrice bookPrice;
28
21-
        @BeforeEach
22
        public void setup() {
23
            MockitoAnnotations.openMocks(this);
24
25
261
27
        public void testCalculatePrice() {
28
            BigDecimal basePrice = new BigDecimal("100.00");
29
            BigDecimal discountRate = new BigDecimal("0.10");
38
            BigDecimal discountAmount = new BigDecimal("10.00");
31
32
            when(discount.calculateDiscount(basePrice, discountRate)).thenReturn(discountAmount);
33
            BigDecimal finalPrice = bookPrice.calculatePrice(basePrice, discountRate);
34
            assertEquals(new BigDecimal("90.00"), finalPrice);
35
36
374
        public void testCalculatePrice2()
```

TEST

