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Batch: [B-2]

Assignment Number :02

```
class Publication {
    private String title;
    public int qty;
    private double price;
    private int copies;

    // Setters and Getters
    public void setTitle(String title) {
        this.title = title;
    }

    public String getTitle() {
        return this.title;
    }

    public void setCopies(int copies) {
        this.copies = copies;
    }

    public int getCopies() {
        return this.copies;
    }

    public void setPrice(double price) {
        this.price = price;
    }

    public double getPrice() {
        return this.price;
    }

    // Selling copies method
    public void sellCopy(int qty) {
        System.out.println("Total publication sell: $" + (qty * price));
    }
}
```

```
}  
}
```

```
class Book extends Publication {  
    private String author;  
  
    // Order copies method for Book  
    public void orderCopies(int pcopies) {  
        System.out.println("Total book sell: $" + (pcopies * getPrice()));  
    }  
}
```

```
class Magazine extends Publication {  
    private int ordQty;  
    private String currIssue;  
  
    // Receiving new issue for Magazine  
    public void RecvNewIssue(String pNewIssue) {  
        setCopies(ordQty);  
        currIssue = pNewIssue;  
    }  
  
    // Selling copies method for Magazine  
    public void sellCopy(int qty) {  
        System.out.println("Total Mag sell: $" + (qty * getPrice()));  
    }  
}
```

```
class Polymorphism {  
    public static void main(String[] args) {  
        // Book instance  
        Book b1 = new Book();  
        b1.setPrice(25); // Changed price  
        b1.orderCopies(4); // Changed copies  
  
        // Publication object using Book  
        Publication b2 = new Book();  
        b2.setPrice(30); // Changed price  
        b2.sellCopy(2); // Changed copies  
  
        // Magazine instance  
        Publication magazine = new Magazine();  
        magazine.setPrice(18.5); // Changed price  
        magazine.sellCopy(5); // Changed copies
```

}
}

Output:

Total book sell: \$100.0

Total publication sell: \$60.0

Total Mag sell: \$92.5