

```
class Publication
{
    String title;
    double price;
    int copies;
    public Publication(String title, double price, int copies)
    {
        this.title = title;
        this.price = price;
        this.copies = copies;
    }

    public void saleCopy(int numberOfCopies)
    {
        this.copies = this.copies-numberOfCopies;
    }

    public double totalSale()
    {
        return price * copies;
    }
}

class Book extends Publication
{
    String author;

    public Book(String title, double price, int copies, String author)
    {
        super(title, price, copies);
        this.author = author;
    }
}
```

```
}
```

```
public void orderCopies(int numberOfCopies)
```

```
{
```

```
    this.copies = this.copies + numberOfCopies;
```

```
}
```

```
}
```

```
class Magazine extends Publication
```

```
{
```

```
    int currentIssue;
```

```
public Magazine(String title, double price, int copies, int currentIssue)
```

```
{
```

```
    super(title, price, copies);
```

```
    this.currentIssue = currentIssue;
```

```
}
```

```
public void orderQty(int quantity)
```

```
{
```

```
    this.copies += quantity;
```

```
}
```

```
public void receiveIssue(int newIssue)
```

```
{
```

```
    this.currentIssue = newIssue;
```

```
}
```

```
}
```

```
public class PublicationDemo
{
    public static void main(String[] args)
    {
        Book book = new Book("Java Programming", 50.0, 100, "Author A");
        Magazine magazine = new Magazine("Tech Today", 5.0, 200, 10);

        book.orderCopies(20);
        book.saleCopy(30);

        magazine.saleCopy(50);
        magazine.orderQty(100);
        magazine.receiveIssue(11);

        System.out.println("Title of book: " + book.title);
        System.out.println("Price of book: " + book.price);
        System.out.println("Total sale of book: $" + book.totalSale());
        System.out.println("Title of Magazine : " + magazine.title);
        System.out.println("Price of Magazine: " + magazine.price);
        System.out.println("Total sale of magazine: $" + magazine.totalSale());
    }
}
```

Output

Title of book: Java Programming

Price of book: 50.0

Total sale of book: \$4500.0

Title of Magazine :Tech Today

Price of Magazine: 5.0

Total sale of magazine: \$1250.0