

## Practical 2

```
class Publication {  
    String title;  
    double price;  
    int copies;  
  
    Publication(String title, double price, int copies) {  
        this.title = title;  
        this.price = price;  
        this.copies = copies;  
    }  
  
    double saleCopy() {  
        return price * copies;  
    }  
}  
  
class Book extends Publication {  
    String author;  
  
    Book(String title, double price, int copies, String author) {  
        super(title, price, copies);  
        this.author = author;  
    }  
  
    void orderCopies(int additionalCopies) {  
        copies += additionalCopies;  
    }  
}  
  
class Magazine extends Publication {
```

```
String currentIssue;
```

```
Magazine(String title, double price, int copies, String currentIssue) {  
    super(title, price, copies);  
    this.currentIssue = currentIssue;  
}
```

```
void orderQty(int additionalCopies) {  
    copies += additionalCopies;  
}
```

```
void receiveIssue(String newIssue) {  
    currentIssue = newIssue;  
}  
}
```

```
public class PublicationDemo {  
    public static void main(String[] args) {  
        Book book1 = new Book("Java Programming", 500, 100, "John Doe");  
        Magazine mag1 = new Magazine("Tech Today", 100, 50, "Issue 1");  
  
        book1.orderCopies(50);  
        mag1.orderQty(30);  
  
        double totalSale = book1.saleCopy() + mag1.saleCopy();  
  
        System.out.println("Total sale of publications: " + totalSale);  
    }  
}
```