```
*/
package _2_Assignment_Polymorphism;
import java.util.*;
class Publication {
□int copies;
□float price;

□String title;

□Publication(String title, float price, int copies) {
    this.title = title;
    this.price = price;
    this.copies = copies;
  }
□void saleCopy(int quantity) {
    if (quantity > 0 && quantity <= copies) {
       copies -= quantity;
    } else {
       System.out.println("Invalid quantity. Please enter a valid number of copies.");
  }
class Book extends Publication {
  String author;
  Book(String title, float price, int copies, String author) {
    super(title, price, copies);
    this.author = author;
  }
  void orderCopies(int quantity) {
    if (quantity > 0) {
       copies += quantity;
    } else {
       System.out.println("Invalid quantity. Please enter a valid number of copies.");
    }
  }
}
class Magazine extends Publication {
  int currentlssue;
  Magazine(String title, float price, int copies, int currentIssue) {
    super(title, price, copies);
    this.currentlssue = currentlssue;
  }
  void orderQty(int quantity) {
    if (quantity > 0) {
       copies += quantity;
    } else {
       System.out.println("Invalid quantity. Please enter a valid number of copies.");
```

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}
  }
  void receivelssue(int issueNumber) {
    if (issueNumber > currentIssue) {
      currentIssue = issueNumber;
    } else {
      System.out.println("Invalid issue number. Please enter a higher issue number.");
  }
}
public class Publications {
  public static void main(String[] args) {
    Scanner vk = new Scanner(System.in);
    // Input for Book
    System.out.print("Enter title of the book: ");
    String bookTitle = vk.nextLine();
    System.out.print("Enter price of the book: ");
    float bookPrice = vk.nextFloat();
    System.out.print("Enter initial copies of the book: ");
    int bookCopies = vk.nextInt();
    vk.nextLine(); // Consume the newline character
    System.out.print("Enter author of the book: ");
    String bookAuthor = vk.nextLine();
    Book boo = new Book(bookTitle, bookPrice, bookCopies, bookAuthor);
    // Input for Magazine
    System.out.print("Enter title of the magazine: ");
    String magazineTitle = vk.nextLine();
    System.out.print("Enter price of the magazine: ");
    float magazinePrice = vk.nextFloat();
    System.out.print("Enter initial copies of the magazine: ");
    int magazineCopies = vk.nextInt();
    vk.nextLine(); // Consume the newline character
    System.out.print("Enter current issue of the magazine: ");
    int magazinelssue = vk.nextInt();
    Magazine mag = new Magazine(magazineTitle, magazinePrice, magazineCopies, magazineIssue);
    // Ordering copies
    System.out.print("Enter number of copies to order for the book: ");
    int bookOrderQuantity = vk.nextInt();
    boo.orderCopies(bookOrderQuantity);
    System.out.print("Enter number of copies to order for the magazine: ");
    int magazineOrderQuantity = vk.nextInt();
    mag.orderQty(magazineOrderQuantity);
    // Selling copies
    System.out.print("Enter number of copies to sell for the book: ");
    int bookSaleQuantity = vk.nextInt();
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boo.saleCopy(bookSaleQuantity);
    System.out.print("Enter number of copies to sell for the magazine: ");
    int magazineSaleQuantity = vk.nextInt();
    mag.saleCopy(magazineSaleQuantity);
    // Displaying total sale
    float bookSale = boo.price * (boo.copies);
    float magazineSale = mag.price * (mag.copies);
    float totalSale = (boo.price * (boo.copies)) + (mag.price * (mag.copies));
    System.out.println("The Author of the Book is: " + bookAuthor);
    System.out.println("The Tile of the Book is: " + bookTitle);
    System.out.println("The Price of the Book is: " + bookPrice);
    System.out.println("The Copies Sold of the Book is: " + bookSaleQuantity);
    System.out.println("Book Sale: $" + bookSale);
    System.out.println("The Title of the Magzine is: " + magazineTitle);
    System.out.println("The Price of the Magazine is: " + magazinePrice);
    System.out.println("The Copies Sold of the Magazine is: " + magazineSaleQuantity);
    System.out.println("Magzine Sale: $" + magazineSale);
    System.out.println("Total Sale: $" + totalSale);
  }
}
```