

Assignment 02 - OOPL (Code)

//Code performed by Pranit Zambre, Roll Number: 19.

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

    abstract void sellCopy() {

    } //Empty method i.e. only declaration.
    abstract void setPrice() {

    } //Empty method i.e. only declaration.

}

import java.util.*;

public class Book extends Publication{ //The word 'extends' does
the work of inheritance.

    String author;

    @Override //Overriding sellCopy method for books.
    void sellCopy(){
        System.out.println("Title: " + title + "\n");
        System.out.println("Author name: " + author + "\n");
        System.out.println("Price per 1 book: " + price + "\n");
        System.out.println("Copies ordered: " + copies + "\n");
    }
}
```

```
        System.out.println("Total sale of 'Books' is " + "₹" + (price *  
copies) + "\n");  
    }
```

```
void orderCopies(){  
    System.out.println("Order Quantity: \n");  
    Scanner sc1 = new Scanner(System.in);  
    copies = sc1.nextInt();  
}
```

```
@Override //Overriding setPrice method for books.  
void setPrice(){  
    System.out.println("Enter the title of the book: \n");  
    Scanner tit = new Scanner(System.in);  
    title = tit.next();
```

```
    System.out.println("Enter the author of the book: \n");  
    Scanner auth = new Scanner(System.in);  
    author = auth.next();
```

```
    System.out.println("Enter the price of the book: \n");  
    Scanner pri = new Scanner(System.in);  
    price = pri.nextInt();
```

```
    }  
}
```

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```
import java.util.*;
```

```
public class Magazine extends Publication{ //The word 'extends'  
does the work of inheritance.
```

String curentlssue;

```
@Override //Overriding sellCopy method for magazines.  
void sellCopy(){  
    System.out.println("Title: " + title + "\n");  
    System.out.println("Price per 1 magazine: " + price + "\n");  
    System.out.println("Copies ordered: " + copies + "\n");  
    System.out.println("Total sale of 'Magazines' is " + "₹" +  
(price*copies) + "\n");  
}
```

```
void orderQuantity(){  
    System.out.println("Enter Quantity (Magazine): \n");  
    Scanner quantity = new Scanner(System.in);  
    copies = quantity.nextInt();  
}
```

```
void curentlssue(){  
    System.out.println("Current issue of the Magazine is: " +  
curentlssue + "\n");  
  
}
```

```
void receivelssue(){  
    System.out.println("You'll get " + currentlssue + " Magazine  
soon... \n");  
  
}
```

```
@Override //Overriding setPrice function for magazines.  
void setPrice(){  
    System.out.println("Enter the title of the magazine: \n");
```

```

Scanner tit = new Scanner(System.in);
title = tit.next();

System.out.println("Enter issue: \n");
Scanner issue = new Scanner(System.in);
currentIssue = issue.next();

System.out.println("Enter the price of the magazine: \n");
Scanner pri = new Scanner(System.in);
price = pri.nextInt();
}
}

```

public class Main { //Main class where objects are created & methods are called.

```

    public static void main(String[] args){
        Book b = new Book();
        b.setPrice();
        b.orderCopies();
        b.sellCopy();

        Magazine m = new Magazine();
        m.setPrice();
        m.orderQuantity();
        m.recieveIssue();
        m.sellCopy();
    }
} //Code ends here.

```

//Code performed by Pranit Zambre, Roll Number: 19.

Output

Enter the title of the book:

Love

Enter the author of the book:

Pranit Zambre

Enter the price of the book:

420

Order Quantity:

69

Title: Love

Author name: Pranit

Price per 1 book: 420.0

Copies ordered: 69

Total sale of 'Books' is ₹28980.0

Enter the title of the magazine:

BitcoinMagazine

Enter issue:

MemesMagazine

Enter the price of the magazine:

69

Enter Quantity (Magazine):
420

You'll get MemesMagazine Magazine soon...

Title: BitcoinMagazine

Price per 1 magazine: 69.0

Copies ordered: 420

Total sale of 'Magazines' is ₹28980.0

Process finished with exit code 0

//Output ends here.