

**OBJECT ORIENTED PROGRAMMING LAB****Experiment No: 13****Name: Manya Madhu****Roll No: 17****Batch: S2 RMCA B****Date: 24-05-2022****Aim**

Write a program has class Publisher, Book, Literature and Fiction. Read the information and print the details of books from either the category, using inheritance.

**Procedure:**

```
class Book
```

```
{  
    int ISBN;  
    String title;  
    String author;  
    int price;  
    String Publisher;
```

```
    Book()  
{  
  
    }  
}
```

```
    Book(int isbn, String title, String author, int price, String publisher)  
{  
    this.ISBN = isbn;  
    this.title = title;  
    this.author = author;  
    this.price = price;  
    this.Publisher = publisher;
```

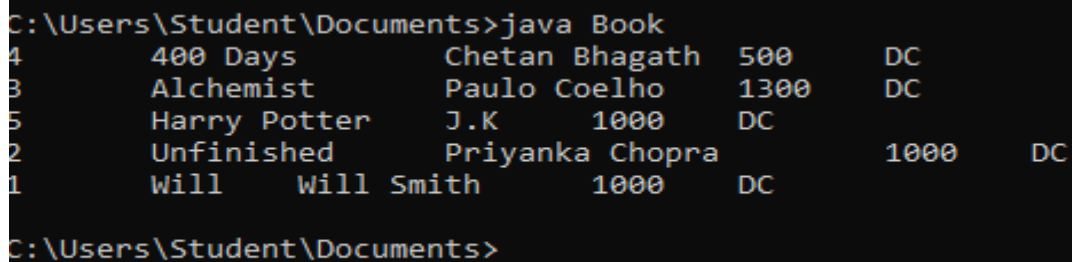
```
}
```

```
public void display() {  
    System.out.print(this.ISBN + "\t");  
    System.out.print(this.title + "\t");  
    System.out.print(this.author + "\t");  
    System.out.print(this.price + "\t");  
    System.out.print(this.Publisher + "\t");  
    System.out.println();  
}
```

```
public static void main(String []args)  
{  
    Book books[] = new Book[5];  
    books[0] =new Book(1,"Will","Will Smith ",1000,"DC");  
    books[1] =new Book(2,"Unfinished","Priyanka Chopra ",1000,"DC");  
    books[2] =new Book(3,"Alchemist","Paulo Coelho",1300,"DC");  
    books[3] =new Book(4,"400 Days","Chetan Bhagath",500,"DC");  
    books[4] =new Book(5,"Harry Potter","J.K ",1000,"DC");  
  
    int size = 5;  
    for(int i = 0; i<size-1; i++)  
    {  
        for (int j = i+1; j<size; j++)  
        {  
            if(books[i].title.compareTo(books[j].title)>0)  
            {  
                Book temp = books[i];  
                books[i] = books[j];  
                books[j] = temp;  
            }  
        }  
    }  
}
```

```
        books[j] = temp;
    }
}

for(int i=0;i<5;i++){
    books[i].display();
}
}
```

**Output:**

A screenshot of a terminal window showing the output of a Java program. The command 'java Book' has been executed in the directory 'C:\Users\Student\Documents'. The output displays five lines of book information, each with an index number, title, author, price, and publisher. The data is as follows:

Index	Title	Author	Price	Publisher
4	400 Days	Chetan Bhagath	500	DC
3	Alchemist	Paulo Coelho	1300	DC
5	Harry Potter	J.K	1000	DC
2	Unfinished	Priyanka Chopra	1000	DC
1	Will	Will Smith	1000	DC