OBJECT ORIENTED PROGRAMMING LAB

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Experiment No: 13

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;
```
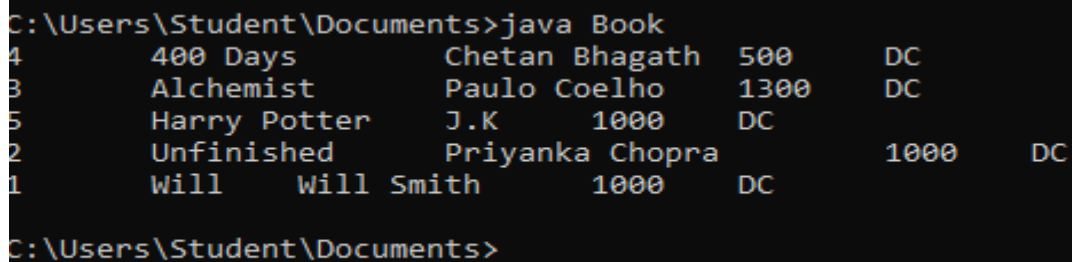
```java
    }

    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;

            }

        }

    }


    for(int i=0;i<5;i++){

        books[i].display();

    }

  }

}
```

Output:

```
C:\Users\Student\Documents>java Book
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

C:\Users\Student\Documents>
```