OBJECT ORIENTED PROGRAMMING LAB

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Batch: MCA B

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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

```java
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");
```
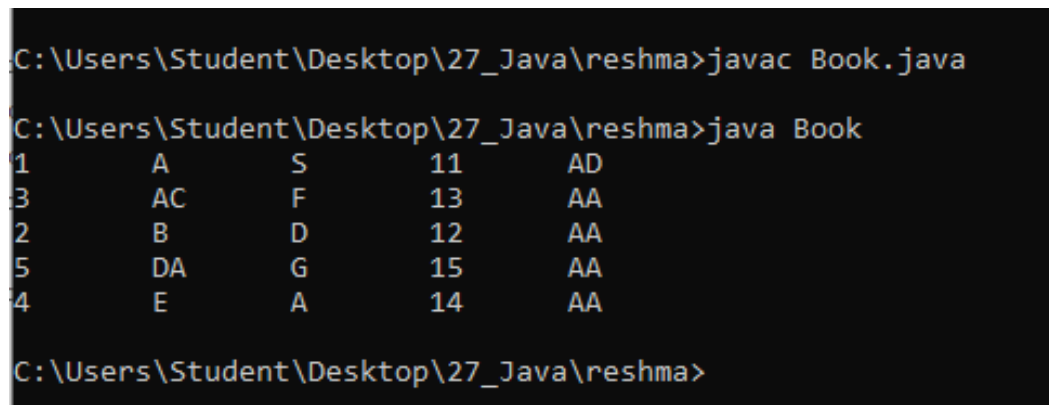
```java
        System.out.print(this.Publisher + "\t");

        System.out.println();

    }

    public static void main(String []args){

        Book books[] = new Book[5];

        books[0] =new Book(1,"A","S",11,"AD");

        books[1] =new Book(2,"B","D",12,"AA");

        books[2] =new Book(3,"AC","F",13,"AA");

        books[3] =new Book(4,"E","A",14,"AA");

        books[4] =new Book(5,"DA","G",15,"AA");

        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 Screenshot

```
C:\Users\Student\Desktop\27_Java\reshma>javac Book.java

C:\Users\Student\Desktop\27_Java\reshma>java Book
1       A       S       11      AD
3       AC      F       13      AA
2       B       D       12      AA
5       DA      G       15      AA
4       E       A       14      AA

C:\Users\Student\Desktop\27_Java\reshma>
```