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**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 4**

**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,"Harry Potter","J.K Rowling",1100,"AD");

books[1] =new Book(2,"Unfinished","Priyanka Chopra Jonas",1200,"AA");

books[2] =new Book(3,"Half Girlfriend","Chetan Bhagath",1300,"AA");

books[3] =new Book(4,"400 Days","Chetan Bhagath",1400,"AA");

books[4] =new Book(5,"Will","Will Smith ",1000,"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**

