**LAB -3**

Lab program 3: Create a class Book which contains four members: name, author, price, num\_pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString( ) method that could display the complete details of the book. Develop a Java program to create n book objects.

**import java.util.Scanner;**

**class Book**

**{**

**private String name,author;**

**private double price;**

**private int num\_pages;**

**Book()**

**{**

**name="The Secret key";**

**author="Rajendra";**

**price=399.00;**

**num\_pages=500;**

**}**

**void getDetails()**

**{**

**Scanner in=new Scanner(System.in);**

**System.out.println("\nEnter the book name: ");**

**name=in.nextLine();**

**System.out.println("Enter the author name: ");**

**author=in.nextLine();**

**System.out.println("Enter the the no.of pages: ");**

**num\_pages=in.nextInt();**

**System.out.println("Enter the price: ");**

**price=in.nextDouble();**

**}**

**public String toString()**

**{**

**String temp="Book name: "+name+"\nAuthor name: "+author+"\nNo.of pages: "+num\_pages+"\nPrice: "+price+"\n";**

**return(temp);**

**}**

**}**

**class BOOK\_details**

**{**

**public static void main(String args[])**

**{**

**int i,n;**

**Scanner in=new Scanner(System.in);**

**System.out.print("Enter the number of books: ");**

**n=in.nextInt();**

**Book[] obj=new Book[n];**

**for(i=0;i<n;i++)**

**{**

**obj[i]=new Book();**

**}**

**System.out.println("\t\t\*\*\*Enter Book Details\*\*\*");**

**for(i=0;i<n;i++)**

**{**

**System.out.println("\nBook "+(i+1)+";");**

**obj[i].getDetails();**

**}**

**System.out.println("\t\t\*\*\*Book Details\*\*\*");**

**for(i=0;i<n;i++)**

**{**

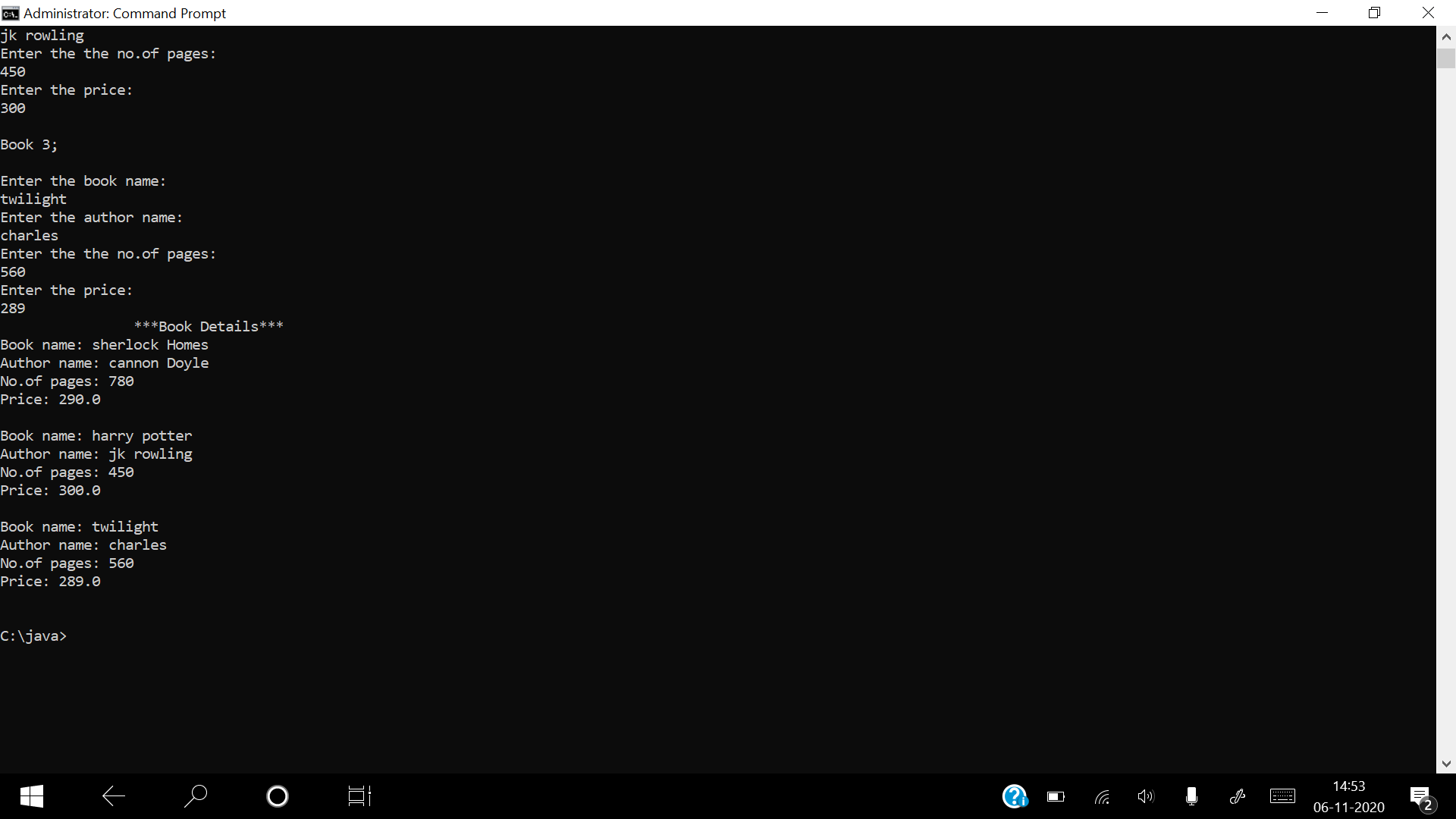
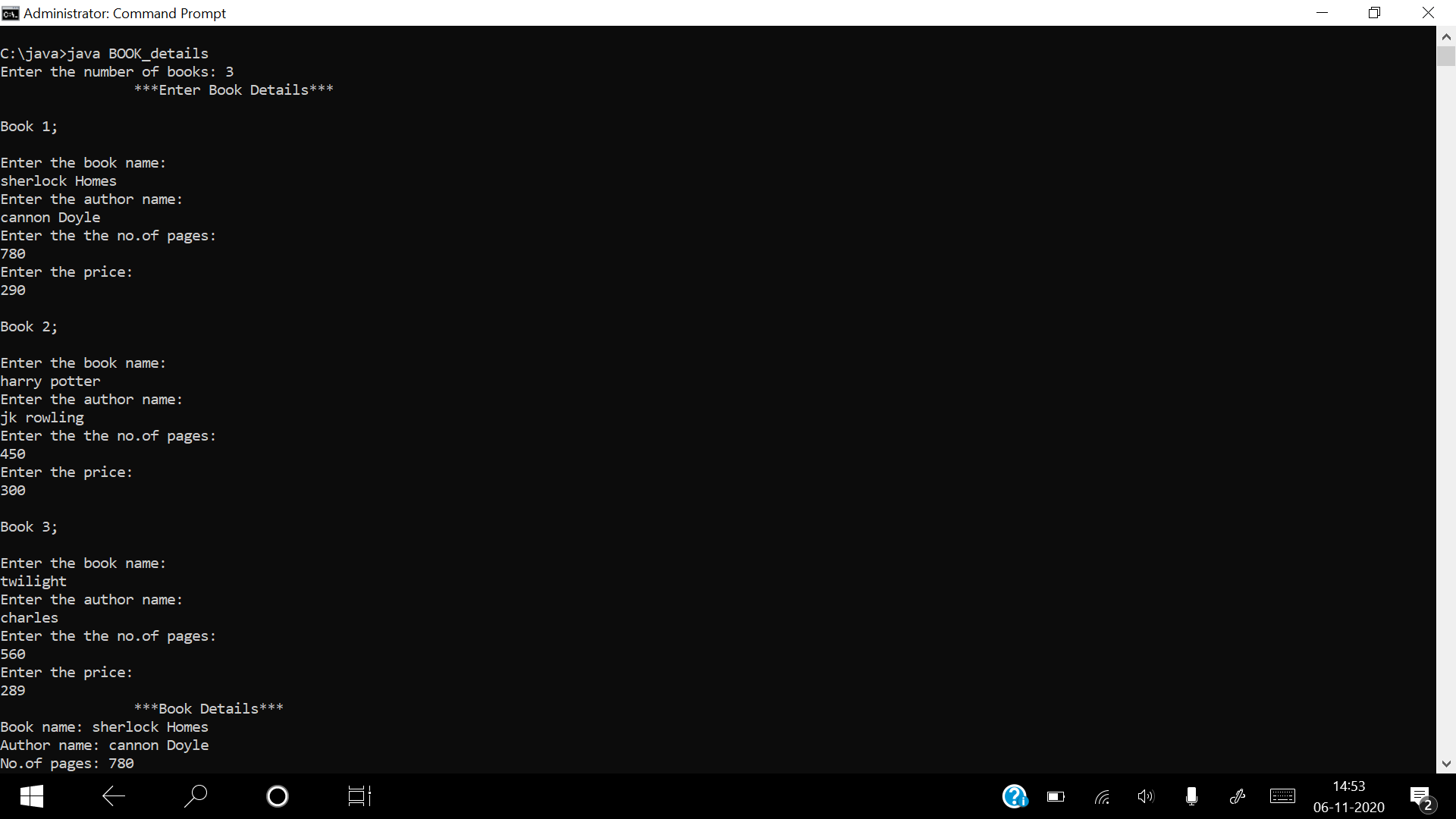
**System.out.println(obj[i]);**

**}**

**}**

**}**

**OUTPUT:**

****