PRACTICAL – 15

PROGRAM -1

AIM- Aim for publication program  
Write a program to explain concept of single inheritance

CODE-

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| class Publication {  protected String title;  protected double price;  protected int copies;  Publication(String t, double p, int c) {  title = t;  price = p;  copies = c;  }  public void sale() {  System.out.println("Publication sale: " + (price \* copies));  }  public void displayInfo() {  System.out.println("Title: " + title);  System.out.println("Price: Rs." + price);  System.out.println("Copies: " + copies);  }  }  class Book extends Publication {  String author;  Book(String t, double p, int c, String a) {  super(t, p, c);  author = a;  }  // Change the return type to int  public int order(int n) {  copies = copies + n;  return copies; // Return the updated copies count  }  public void sale() {  System.out.println("Book sale: " + (price \* copies));  }  public void displayBookInfo() {  displayInfo();  System.out.println("Author: " + author);  }  }  public class Main {  public static void main(String[] args) {  Book book1 = new Book("Java Programming", 180, 450, "xyz");  System.out.println("Book Details:");  book1.displayBookInfo();  book1.sale();  System.out.println("Book value after order:- ");  // Print the returned value from order  System.out.println("New Order : " + book1.order(100));  book1.order(100);  book1.sale();  }  } |

OUTPUT-

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