**Labprogram 3**

import java.util.ArrayList;

import java.util.Scanner;

public class Book410 {

private String name;

private String author;

private double price;

private int num\_pg;

public Book410(String name, String author, double price, int num\_pg) {

this.name = name;

this.author = author;

this.price = price;

this.num\_pg = num\_pg;

}

public String getName() { return name; }

public void setName(String name) { this.name = name; }

public String getAuthor() { return author; }

public void setAuthor(String author) { this.author = author; }

public double getPrice() { return price; }

public void setPrice(double price) { this.price = price; }

public int getNumpg() { return num\_pg; }

public void setNumpg(int num\_pg) { this.num\_pg = num\_pg; }

@Override

public String toString() {

return "Book [Name=" + name + ", Author=" + author + ", Price=" + price + ", Number of Pages=" + num\_pg + "]";

}

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

ArrayList<Book410> books = new ArrayList<>();

System.out.print("Enter the number of books to be created: ");

int n = scanner.nextInt();

scanner.nextLine();

for (int i = 1; i <= n; i++) {

System.out.print("Enter the name of the book " + i + ": ");

String name = scanner.nextLine();

System.out.print("Enter the name of the author " + i + ": ");

String author = scanner.nextLine();

System.out.print("Enter the price of the book " + i + ": ");

double price = scanner.nextDouble();

System.out.print("Enter the number of pages of the book " + i + ": ");

int num\_pg = scanner.nextInt();

scanner.nextLine();

books.add(new Book410(name, author, price, num\_pg));

}

System.out.println("Details of the books created:");

for (Book410 book : books) {

System.out.println(book);

}

scanner.close();

}

}

