**// program for the printing Authers of book using collection**

import java.util.ArrayList;

class Book

{

//creating global variable

int bookId;

String bookName;

String authorName;

// crating parameter constructor

public Book(int bookId, String bookName, String authorName)

{

this.bookId = bookId;

this.bookName = bookName;

this.authorName = authorName;

}

public static void main(String[] args)

{

// creating arraylist

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

// craeting the object to arraylist

Book book1 = new Book(1, "Java Programming", "John Doe");

Book book2 = new Book(2, "Data Structures", "Jane Smith");

Book book3 = new Book(3, "Algorithms", "Alice Johnson");

// adding the object to arraylist

books.add(book1);

books.add(book2);

books.add(book3);

// printing using foreach loop

for (Book book : books)

{

System.out.println("Book ID: " + book.bookId);

System.out.println("Book Name: " + book.bookName);

System.out.println("Author: " + book.authorName);

System.out.println();

}

}

}

**OutPut**

Book ID: 1

Book Name: Java Programming

Author: John Doe

Book ID: 2

Book Name: Data Structures

Author: Jane Smith

Book ID: 3

Book Name: Algorithms

Author: Alice Johnson

**// program for Addition of even numbers using collection**

import java.util.ArrayList;

public class EvenSumCalculator

{

public static void main(String[] args)

{

// creating collection

ArrayList<Integer> numbers = new ArrayList<>();

// adding values in arraylist

numbers.add(1);

numbers.add(2);

numbers.add(3);

numbers.add(4);

numbers.add(5);

int sum = 0;

//calculating sum using foreach loop

for (int num : numbers)

{

if (num % 2 == 0)

{

sum += num;

}

}

// printing sum

System.out.println("Sum of even numbers: " + sum);

}

}

**OutPut**

Sum of even numbers: 6

**// program for reverse string print using collection**

import java.util.ArrayList;

import java.util.Collections;

public class ReverseArrayList

{

public static void main(String[] args)

{

//creating arraylist

ArrayList<String> stringList = new ArrayList<>();

stringList.add("Apple");

stringList.add("Banana");

stringList.add("Cherry");

// printing original arraylist

System.out.println("Original List: " + stringList);

// printing arralist in reverse order

Collections.reverse(stringList);

System.out.println("Reversed List: " + stringList);

}

}

**Output**

Original List: [Apple, Banana, Cherry]

Reversed List: [Cherry, Banana, Apple]