1,

public class ArrayIndexOutOfBoundException {

Public static void main(String[] args) {

String[] arr = {“Rohit”,”Shikar”,”Virat”,”Dhoni”};

For(int i=0;i<=arr.length;i++) {

System.out.println(arr[i]);

}

}

}

Output:

Rohit

Shikar

Virat

Dhoni

2,

Public class PrintArrayElements {

Public static void main(String[] args) {

Int[] array = new int[100];

For (int I = 0; I < array.length; i++) {

Array[i] = I + 1;

}

For (int element : array) {

System.out.print(element + “ “);

}

}

}

Output:

1 2 3 4 5 6 7 8 9 10 … 98 99 100

3,

Class Book {

Private int bookId;

Private String bookName;

Public Book(int bookId, String bookName, String authorName) {

This.bookId = bookId;

This.bookName = bookName;

}

Public int getBookId() {

Return bookId;

}

Public String getBookName() {

Return bookName;

} Public String getAuthorName() {

Return authorName;

}

}

Public class BookDemo {

Public static void main(String[] args)

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

Books.add(new Book(1, “The Catcher in the Rye”, “J.D. Salinger”));

Books.add(new Book(2, “To Kill a Mockingbird”, “Harper Lee”));

For (Book book : books) {

System.out.println(“Book ID: “ + book.getBookId());

System.out.println(“Book Name: “ + book.getBookName());

System.out.println(“Author Name: “ + book.getAuthorName());

System.out.println(); // Add a line break for better readability

}

}

}

4

public class ReverseStringList {

public static void main(String[] args)

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

stringList.add("Hello");

stringList.add("World");

stringList.add("Java");

Collections.reverse(stringList);

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

}

}

5,

Public class SumOfEvenNumbers {

Public static void main(String[] args) {

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

numbersList.add(1);

numbersList.add(2);

numbersList.add(3);

numbersList.add(4);

numbersList.add(5);

numbersList.add(6)

Int sum = 0;

For (int number : numbersList) {

If (number % 2 == 0) {

Sum += number;

}

}

System.out.println(“Sum of Even Numbers: “ + sum);

}

}