

Write a Java program that reads a list of numbers from a file and throws an exception if any of the numbers are positive.

Sample Solution:

Java Code:

```
import java.io.File;
import java.io.FileNotFoundException;
import java.util.Scanner;
public class Positive_Number_Check {
    public static void main(String[] args) {
        try {
            checkNumbersFromFile("test.txt");
            System.out.println("All numbers are non-positive.");
        } catch (FileNotFoundException e) {
            System.out.println("Error: " + e.getMessage());
        } catch (PositiveNumberException e) {
            System.out.println("Error: " + e.getMessage());
        }
    }
    public static void checkNumbersFromFile(String fileName) throws FileNotFoundException {
        File file = new File(fileName);
        Scanner scanner = new Scanner(file);
        while (scanner.hasNextLine()) {
            int number = Integer.parseInt(scanner.nextLine());
            if (number > 0) {
                throw new PositiveNumberException("Positive number found: " + number);
            }
        }
        scanner.close();
    }
}
class PositiveNumberException extends Exception {
    public PositiveNumberException(String message) {
        super(message);
    }
}
```

Sample Output:

Content of test.txt:

-1
-2
-3
-4

All numbers are non-positive.

Content of test.txt:

-1
-2
-3
4

Error: Positive number found: 4

Explanation: