

CODE:

```
package com.company;

import java.io.BufferedReader;
import java.io.FileReader;
import java.util.*;
import java.util.Map.Entry;

public class Main {
    static List<String> MDT;
    static Map<String, String> MNT;
    static Map<Integer, String> ALA;
    static int mntptr, mdtptr, alaptr;

    public static void main(String[] args) {
        try {
            pass1();
        } catch (Exception e) {
            e.printStackTrace();
        }
    }

    static void pass1() throws Exception {
        String mend = "MEND";
        MDT = new ArrayList<>();
        MNT = new LinkedHashMap<>();
        ALA = new HashMap<>();
        mntptr = mdtptr = alaptr = 0;
        String input_file = "code.txt";
        BufferedReader input = new BufferedReader(new FileReader(input_file));
        String s;
        boolean processingMacroDefinition = false;
        boolean processMacroName = false;
        boolean inmacro = false;

        System.out.println("Pass 1 output\nCode::\n");
        while ((s = input.readLine()) != null) {
            String[] tokens = stringtokenizer(s, " ");
            // checking the macro is present.
            // checking first token
            String firtok;
            firtok = tokens[0];

            if (firtok.equalsIgnoreCase("MACRO")) {
                processingMacroDefinition = true;
                processMacroName = true;
                inmacro = true;
                continue;
            }
        }
    }
}
```