

Eclipse - Lab4/src/Main.java - Eclipse IDE

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Project Explorer

Lab4

Main.java

```
64 public static void main(String[] args) throws FileNotFoundException {
65     Stack stack = new Stack(30); //Created a class with pre-defined value of 30 workers
66
67     File file = new File("C:\\Users\\chait\\Desktop\\emp.txt"); //emp.txt file location to get workers details
68     Scanner sc = new Scanner(file);
69
70     while(sc.hasNextLine()) {
71
72         String line = sc.nextLine();
73         String[] parts = line.split(" ");
74         int ID = Integer.parseInt(parts[0]);
75         String Name = parts[1];
76
77         Worker emp = new Worker(ID, Name); //create new worker object and push into stack
78         stack.push(emp);
79     }
80
81     System.out.println("Top Element from Stack: " + "ID: " + stack.top().id + ", " + "Name: " + stack.top().name);
82
83     stack.pop(); //first pop
84     stack.pop(); //second pop
85
86     System.out.println("Popping Two Elements from Stack: ");
87     System.out.println("After Popping, Top Element from Stack: " + "ID: " + stack.top().id + ", " + "Name: " + stack.
88
89     Worker newEmp = new Worker(8, "Chaitanya");
90     stack.push(newEmp); //pushing new worker into the stack
91
92     System.out.println("After Pushing New Data, Top Element from Stack: " + "ID: " + stack.top().id + ", " + "Name: "
93
94     sc.close();
95 }
96
97
98
```

Outline

- Worker
 - id: int
 - name: String
 - Worker(int, String)
- Stack
 - details: Worker[]
 - top: int
 - Stack(int)
 - push(Worker): void
 - pop(): Worker
 - top(): Worker
- Main
 - main(String[]): void

Problems Javadoc Declaration Console

```
terminated> Main (2) [Java Application] C:\Users\chait.n21\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.9.v20231026-0856\jre\bin\javaw.exe (Feb 11, 2024, 7:13:06 PM)
Top Element from Stack: ID: 45, Name: Rahul
Popping Two Elements from Stack:
After Popping, Top Element from Stack: ID: 41, Name: Vivek
After Pushing New Data, Top Element from Stack: ID: 8, Name: Chaitanya
```

Writable

Smart Insert

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