





eclipse-workspace - Macro1/src/MPass1.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
input3.txt mnt.java FCFS.java SIFNonP.java Priority.java RR.java Firstfit.java arglist.java mdt.java mnt.java MPass1.java
27 {
28     macro_start = true;
29     macro_end = false;
30 }
31 else if(!macro_end)
32 {
33     if(macro_start)
34     {
35         MNT[mnt_cnt++]=new mnt(tokens[i],mdt_cnt);
36         macro_start=false;
37         fill_arglist=true;
38     }
39     if(fill_arglist)
40     {
41         while(i<tokens.length)
42         {
43             MDT[mdt_cnt].stmtnt = MDT[mdt_cnt].stmtnt+ "\t" + tokens[i];
44             stmtnt = stmtnt +"\t"+ tokens[i];
45             if(tokens[i].matches("[a-zA-Z]+") || tokens[i].matches("&[a-zA-Z]+[0-9]+"))
46                 ARGLIST[arglist_cnt++]=new arglist(tokens[i]);
47             i++;
48         }
49         fill_arglist=false;
50     }
51     else
52     {
```

Activate Windows
Go to PC settings to activate Windows.

Writable Smart Insert 1:1

3:12 PM 12/16/2021

eclipse-workspace - Macro1/src/MPass1.java - Eclipse IDE

```
File Edit Source Refactor Navigate Search Project Run Window Help
input3.txt mnt.java FCFS.java SIFNonP.java Priority.java RR.java Firstfit.java arglist.java mdt.java mnt.java MPass1.java
53
54 if(tokens[i].matches("[a-zA-Z]+") || tokens[i].matches("[a-zA-Z]+[0-9]+") || tokens[i].matches("[0-9]+"))
55 {
56     MDT[mdt_cnt].stmtnt = MDT[mdt_cnt].stmtnt+ "\t" + tokens[i];
57     stmtnt = stmtnt +"\t"+ tokens[i];
58 }
59 if(tokens[i].matches("&[a-zA-Z]+") || tokens[i].matches("&[a-zA-Z]+[0-9]+"))
60 {
61     for(int j=0;j<arglist_cnt;j++)
62     if(tokens[i].equals(ARGLIST[j].argname))
63     {
64         MDT[mdt_cnt].stmtnt = MDT[mdt_cnt].stmtnt + "\t#" + (j+1);
65         stmtnt = stmtnt +"\t#" + (j+1);
66     }
67 }
68 }
69 }
70 }
71 if(stmtnt!=" " && !macro_end)
72     mdt_cnt++;
73 }
74 brl.close();
75
76 BufferedWriter bw1=new BufferedWriter(new FileWriter("C:\\Users\\SHARAD\\eclipse-workspace\\Macro1\\src\\MNT.txt"));
77 System.out.println("\n\t*****MACRO NAME TABLE*****");
78 System.out.println("\n\tINDEX\tNAME\tADDRESS");
```

Activate Windows
Go to PC settings to activate Windows.

Writable Smart Insert 54: 100

3:13 PM 12/16/2021

```
eclipse-workspace - Macro1/src/MPass1.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
input3.txt mnt.java FCFS.java SIFNonP.java Priority.java RR.java Firstfit.java arglist.java mdt.java mnt.java *MPass1.java
77 System.out.println("\n\t*****MACRO NAME TABLE*****");
78 System.out.println("\n\tINDEX\tNAME\tADDRESS");
79 for(int i=0;i<mnt_cnt;i++)
80 {
81     System.out.println("\t"+i+"\t"+MNT[i].name+"\t"+MNT[i].addr);
82     bw1.write(MNT[i].name+"\t"+MNT[i].addr+"\n");
83 }
84 bw1.close();
85
86 bw1=new BufferedWriter(new FileWriter("C:\\Users\\SHARAD\\eclipse-workspace\\Macro1\\src\\ARGLIST.txt"));
87 System.out.println("\n\t*****ARGUMENT LIST*****");
88 System.out.println("\n\tINDEX\tNAME\tADDRESS");
89 for(int i=0;i<arglist_cnt;i++)
90 {
91     System.out.println("\t"+i+"\t"+ARGLIST[i].argname);
92     bw1.write(ARGLIST[i].argname+"\n");
93 }
94 bw1.close();
95
96 System.out.println("\n\t*****MACRO DEFINITION TABLE*****");
97 System.out.println("\n\tINDEX\t\tSTATEMENT");
98
99 bw1=new BufferedWriter(new FileWriter("C:\\Users\\SHARAD\\eclipse-workspace\\Macro1\\src\\MDT.txt"));
100 for(int i=0;i<mdt_cnt;i++)
101 {
102     System.out.println("\t"+i+"\t"+MDT[i].stmnt);
103 }
```

Activate Windows
Go to PC settings to activate Windows.

Writable Smart Insert 78 : 26 3:14 PM 12/16/2021

```
eclipse-workspace - Macro1/src/MPass1.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
input3.txt mnt.java FCFS.java SIFNonP.java Priority.java RR.java Firstfit.java arglist.java mdt.java mnt.java *MPass1.java
83 }
84 bw1.close();
85
86 bw1=new BufferedWriter(new FileWriter("C:\\Users\\SHARAD\\eclipse-workspace\\Macro1\\src\\ARGLIST.txt"));
87 System.out.println("\n\t*****ARGUMENT LIST*****");
88 System.out.println("\n\tINDEX\tNAME\tADDRESS");
89 for(int i=0;i<arglist_cnt;i++)
90 {
91     System.out.println("\t"+i+"\t"+ARGLIST[i].argname);
92     bw1.write(ARGLIST[i].argname+"\n");
93 }
94 bw1.close();
95
96 System.out.println("\n\t*****MACRO DEFINITION TABLE*****");
97 System.out.println("\n\tINDEX\t\tSTATEMENT");
98
99 bw1=new BufferedWriter(new FileWriter("C:\\Users\\SHARAD\\eclipse-workspace\\Macro1\\src\\MDT.txt"));
100 for(int i=0;i<mdt_cnt;i++)
101 {
102     System.out.println("\t"+i+"\t"+MDT[i].stmnt);
103     bw1.write(MDT[i].stmnt+"\n");
104 }
105 bw1.close();
106 }
107 }
108 }
```

Activate Windows
Go to PC settings to activate Windows.

Writable Smart Insert 108 : 1 3:14 PM 12/16/2021