Ankush Singh

WorkShop_7

```python
analysis.py ×        calc.py

C: > Users > singh > WorkShop_7 >  analysis.py >  trackTaint
162    def trackTaint(val2track, df_list_param):
163        var_, call_, func_def, func_var = df_list_param[0], df_list_param[1], df_list_param[2], df_list_param[3]
164
165        #TODO: Complete this method so that the output is 1000->val1->v1->res
166
167        # Initialize the taint tracking flow with the initial value
168        taint_flow = str(val2track)
169        current_taint = str(val2track)
170
171        # Looking for the initial value (1000) in the assignments
172        for index, row in var_.iterrows():
173            if str(row['RHS']) == current_taint:
174                current_taint = row['LHS']
175                taint_flow += f" -> {current_taint}"
176
177        # Tracking the function argument (val1 -> v1)
178        for index, row in call_.iterrows():
179            if row['ARG_NAME'] == current_taint:
180                current taint = "v1"
```

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

C:\Users\singh>cd WorkShop_7

C:\Users\singh\WorkShop_7>dir
 Volume in drive C is Windows
 Volume in drive C is Windows
 Volume Serial Number is CCCE-BF85

 Directory of C:\Users\singh\WorkShop_7

10/12/2024  09:42 AM    <DIR>          .
10/12/2024  09:42 AM    <DIR>          ..
10/16/2024  08:46 PM             9,308 analysis.py
10/12/2024  10:28 AM               580 calc.py
               2 File(s)          9,888 bytes
               2 Dir(s)  186,561,982,464 bytes free

C:\Users\singh\WorkShop_7>python analysis.py
1000 -> val1 -> v1 -> res
```

```
C:\Users\singh\WorkShop_7>python analysis.py
1000 -> val1 -> v1 -> res
```