

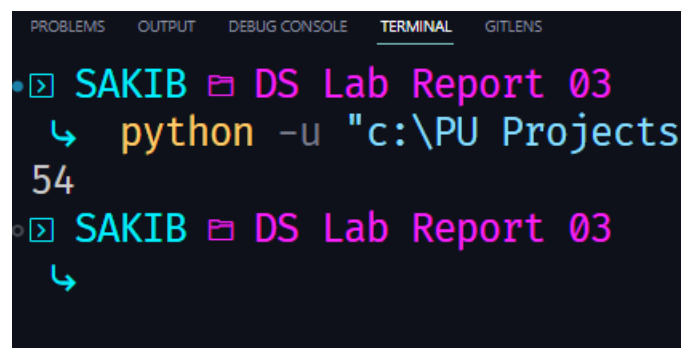
Problem Statement : Solve the given postfix expression "23*45+*" using Stack in Python

Objective : To Solve the given postfix expression "23*45+*" using Stack in Python

Source Code :

```
1 def postfix(expression):
2     stack= []
3     result = 0
4     for char in expression:
5         if char.isdigit():
6             stack.append(int(char))
7         else:
8             oparand1 = stack.pop()
9             oparand2 = stack.pop()
10
11             if char == '+':
12                 result = oparand1 + oparand2
13             elif char == '-':
14                 result = oparand1 - oparand2
15             elif char == '*':
16                 result = oparand1 * oparand2
17             elif char == '/':
18                 result = oparand1 / oparand2
19
20             stack.append(result)
21
22     return stack[0]
23
24
25
26 result = postfix('23*45+*')
27 print(result)
```

Output :



```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  GITLENS
• SAKIB  DS Lab Report 03
  ↳ python -u "c:\PU Projects
54
• SAKIB  DS Lab Report 03
  ↳
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