Evaluation of Postfix Expression : AB+CD-\*E/ Values of operands are A=5, B=4, C=6, D=2, E=3

Result = 12

Infix Expression : (A+B)\*(C-D)/E

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| char | Stack | op1 | op2 | Result |
| A | 5 |  |  |  |
| B | 5, 4 |  |  |  |
| + | 9 | 5 | 4 | 9 |
| C | 9, 6 |  |  |  |
| D | 9, 6, 2 |  |  |  |
| - | 9, 4 | 6 | 2 | 4 |
| \* | 36 | 9 | 4 | 36 |
| E | 36, 3 |  |  |  |
| / | 12 | 36 | 3 | 12 |

2

4 6 4 3

5 9 36 12

Stack s

POP & display the result

top = -1

op2=4

op1=5

AB- 🡺 A-B

op2 = 4 op1 = 5

expression op1 operator op2