Prefix Expression : /\*+AB-CDE Values for operands are A=5, B=4, C=6, D=2, E=3

Result: 12

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

Stack

pop & display the result

5

6 4 9

2 36

3 12

op1

op2