SQL

evaluate Postfix

$$A \; B + C \times D \quad \rightarrow \quad 13+$$

$$A = 1,$$

Step	In	Opr	Stack
1	1 A	Push	A
2	3 B	Push	AB
3	+	pop	A
		$Op_1 \rightarrow B$	
		pop	
		$Op_2 \rightarrow A$	
		$res = Op_2 + Op_1$	
		$= A +_4 B$	(A+B) 4

$$B = 3 \quad, \quad C = 2,$$

$$D = 2$$

$$2 + 2 \mid$$

output

$4 \mid C$

$5 \mid X$

$8 \mid D$

$7 \mid /$

Push

Push

$op_1 \rightarrow C$

$op_2 \rightarrow A+B$

$res = op_3 \times op_1$

Push

$op_1 \rightarrow D$

$op_2 \rightarrow A + B + C$

$res = op_2 \mid op_1$

$A + B C$

$A + B$

$A +$

$\rightarrow A$

$\times C$

$BX \overset{CD}{\underset{\downarrow}{}}$

$+BX C \mid D$

$\downarrow.$