

day / date:

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 Lab# 08

Question:-

$$A - B - C * (D + E / F - G) - H$$

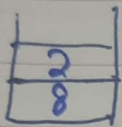
Input	Stack	Post-Fix
A	-	A
B	-	AB
-	-	AB-
C	-	AB-C
*	-*	AB-C
(-*(AB-C
D	-*(AB-CD
+	-*(+	AB-CD
E	-*(+)	AB-CDE
/	-*(+/	AB-CDE
F	-*(+/	AB-CDEF
-	-*(+/-	AB-CDEF/+
G	-*(+/-	AB-CDEF/+G
)	-*	AB-CDEF/+G-
-	-	AB-CDEF/+G-H-
H	-	AB-CDEF/+G-H-

Equation:-

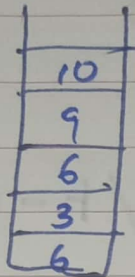
$$AB - CDEF / + G - H -$$

$$82-36910/+11-*13-$$

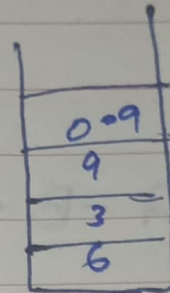
Stacks:-



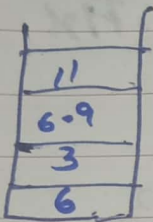
$$8-2=6$$



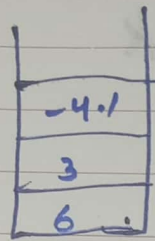
$$9/10=0.9$$



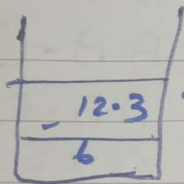
$$6+0.9=6.9$$



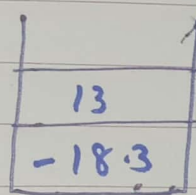
$$6.9-11=-4.1$$



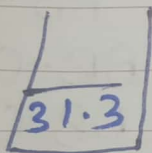
$$-3*-4.1=12.3$$



$$12.3-6=18.3$$



$$18.3-13=-31.3$$



= Result.