

Lab-3

Program-3

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Alok Kumar Rastogi

1BM19CS192

Pseudo Code:-

→ Calculate - Postfix (exp)

{

create a stack S

for $i < 0$ to $\text{length}(\text{exp}) - 1$

{

if $\text{exp}[i]$ is operand

push($\text{exp}[i]$)

else if ($\text{exp}[i]$ is operator)

{

$\text{op2} \leftarrow \text{pop}()$

$\text{op1} \leftarrow \text{pop}()$

result \leftarrow compute ($\text{exp}[i]$, op1 , op2)

push(result)

}

}

return top of the stack

}