ALGORITHM OF STACK OPERATION

PUSH (INSERT) OPERATION ALGO.

Step-1 [check for static overflow]

if top >=size then

o/p”stack is overflow”

exit

Step-2 [increments the top values by one]

top=top+1

Step-3 [perform insertion]

stack[top]=data

Step-4 exit

POP (DELETE) OPERATION ALGO.

Step-1 [check the stack is empty]

if top = 0 then

o/p"stack is under flow"

exit

Step-2 [remove the top information]

data=stack [top]

top=top-1

Step-3 [return the format information of the stack]

Step-4 exit

PEEP (SEARCH) OPERATION ALGO.

Step-1 [check the stack is empty]

if top-loc+1 < 0 then

o/p"stack is overflow"

exit

Step-2 [check max position of top]

if loc > top

o/p"the max position of top",top

Step-3 if i == loc

return (peep element)

Step-4 exit

DISPLAY( ) OPERATION ALGO.

Step-1 [check the stack is empty]

if top = 0 then

o/p”stack is under flow”

exit

Step-2 [Display values]

repeat step-3 for i=top To i>=0

Step-3 print stack[i]

Step-4 exit

UPDATE OPERATION ALGO.

Step-1 [check the stack is empty]

if top-loc+1 < 0 then

o/p"stack is empty"

exit

Step-2 [check max position of top]

if loc > top

o/p"the max position of top",top

Step-3 [change the element]

if(loc == i)

(1)stack[top]=val

(2)top=loc

(3)return val

Step-4 exit

THANK YOU ?