Peek()

begin procedure peek

return stack[top]

end procedure

isfull()

begin procedure isfull

if top equals to MAXSIZE

return true

else

return false

endif

end procedure

isempyt()

begin procedure isempty

if top less than 1

return true

else

return false

endif

end procedure

PUSH

begin procedure push: stack, data

if stack is full

return null

endif

top ← top + 1

stack[top] ← data

end procedure

POP

begin procedure pop: stack

if stack is empty

return null

endif

data ← stack[top]

top ← top - 1

return data

end procedure

HEAP

**Step 1** − Create a new node at the end of heap.

**Step 2** − Assign new value to the node.

**Step 3** − Compare the value of this child node with its parent.

**Step 4** − If value of parent is less than child, then swap them.

**Step 5** − Repeat step 3 & 4 until Heap property holds.