TUTORIAL-3

A1 arr[5] = {1, 2, 3, 4, 5} ; n = 5

curr = 4

undo()

1. if curr < 0
   display "underflow Error".
   else
   n = n - 1
   curr = curr - 1

arr[5] = {1, 2, 3, 4, 5}

N = 5

curr = 4

→ undo()

1. Check if curr < 0 then display "Underflow Error", else step 2 & 3
2. n = n-1
3. curr = curr - 1

→ redo()

1. Check if curr == 4 then display "Over flow Error", else step 2
2. arr[curr+1] = curr+2
3. n = n+1

→ main()

1. ~~Display arr~~ x = 1
2. ~~Display "1. U~~ while x == 1 repeats steps 3 to
3. Display arr
4. Display "1. Undo"
5. Display "2. Redo"

6. Display "#. Exit"
7. Input option
8. Check if option == '1' then call undo()
   if option == '2' then call redo()
   if option == '#' then x = 0 and break

4.2 sold[10] ; ~~count = 1~~

→ main()

1. ~~Repeat step 2 to~~ For i = 1 to i <= 10 step 1
2. top = 0 , num = -1
2. Repeat step 3 to — while num is not 0
3 Input "num"
4. if num > (10 - top) then
4.1 Display "Stack Overflow Error"
5. else
5.1 Repeat setep 5.2 to 5.3 for i = 1 to i <= num step +1
5.2 Input sold[i]
5.3 top = top + 1
5.4 if sold[i] > 300 then
5.4.1 Display i
5.5 else
5.5.1 Pass
5.6 End

4.3 sold[10]

→ main()

1. top = 0 , num = -1
2.
5.3 top = top + 1
6. Repeat step 7 to 8.1 For i = top to i >= 0 step -1
7. if sold[i] > 300 then

7.1. Display i
8. else
8.1. Pass
9. End.

A.3 sold[10]
→ main()
1. top = 0, num = -1
2. Repeat step 3 to - while num is not 0
3. Input num
4. If num > (~~top~~ 10 - top) then
4.1 Display "Stack Overflow Error"
5. Else
5.1 Repeat step 5.2 to 5.3 for i=1 to i<=n step
5.2 Input sold[i]
5.3 top = top+1
6. Repeat step 7 to 8 For i = top to i >= 1 step -1
7. Display sold[i]
8. Display i
9. End.