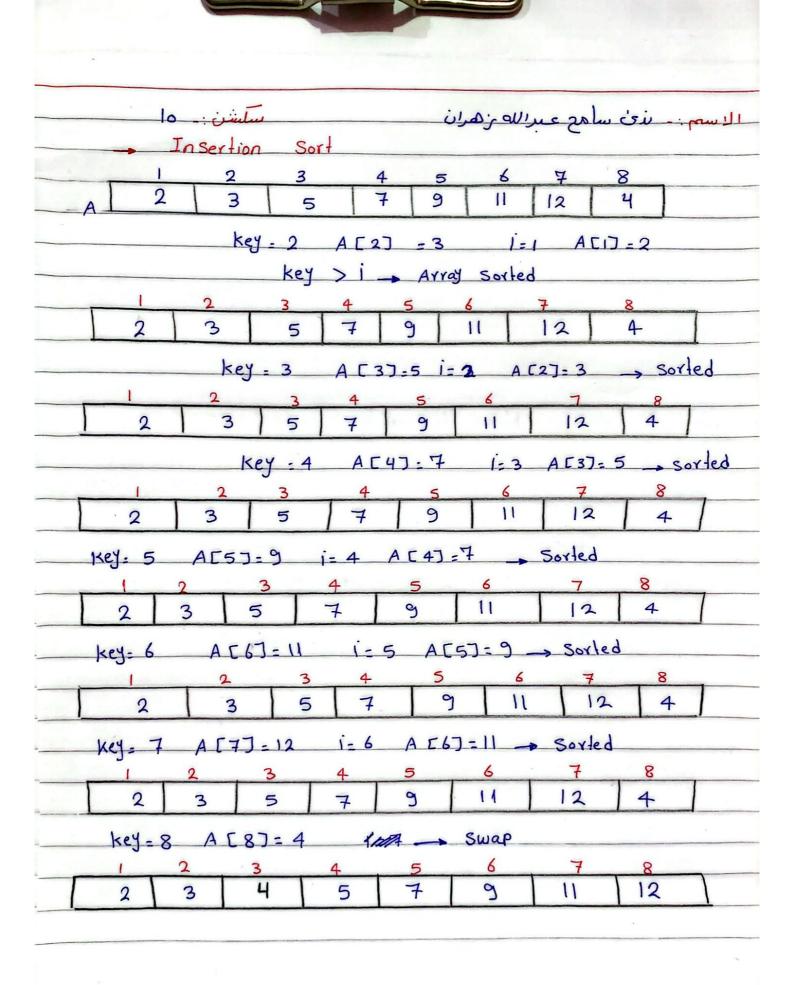


	: ن <i>شل</i> س Bubble	Sort		ِن	سبالله زهرا	دی سامع :	n h
10	10 7		3			2	
			J = 10		+1 = 7	Nº - 2	
		7	10.	3	9	\ 2	T
			j.	- 10	J+1 = 3		
		7	3	10	9	2	
				J = 10	J+1=9	)	
		7	3	9	10	2	
•		J:	10	+1=2	-		
		7	3	9	2	10	
			J=7	J+1=3	3		
		3	7	9	2	10	
			J = 9	1+1	= 2		
		3	7	2	9	lo	
	-		J = 73	J+1 = 2			
3		3	2	7	9	10	
			J=3	1+1-	2		
		2	3	7	9	10	



```
1
        def selection_sort(array):
             n = len(array)
    2
    3
             for i in range(n - 1):
                 minimum_index = i
    4
                 for j in range(i + 1, n):
    5
                      if array[j] < array[minimum_index]:</pre>
    6
                          minimum_index = j
    8
                 array[i], array[minimum_index] = array[minimum_index], array[i]
        array = [65, 20, 10, 22, 9]
    9
        selection_sort(array)
   10
        print("New array is:",array)
   11
 PROBLEMS (1)
             OUTPUT
                      DEBUG CONSOLE
                                    TERMINAL
                                              PORTS
PS C:\Users\Check-in\Desktop\project> & 'c:\Users\Check-in\AppData\Local\Programs\Python\Python312\p
 -2025.0.1-win32-x64\bundled\libs\debugpy\launcher' '57165' '--' 'c:\Users\Check-in\Desktop\project\n.
```

new array is: [9, 10, 20, 22, 65]

