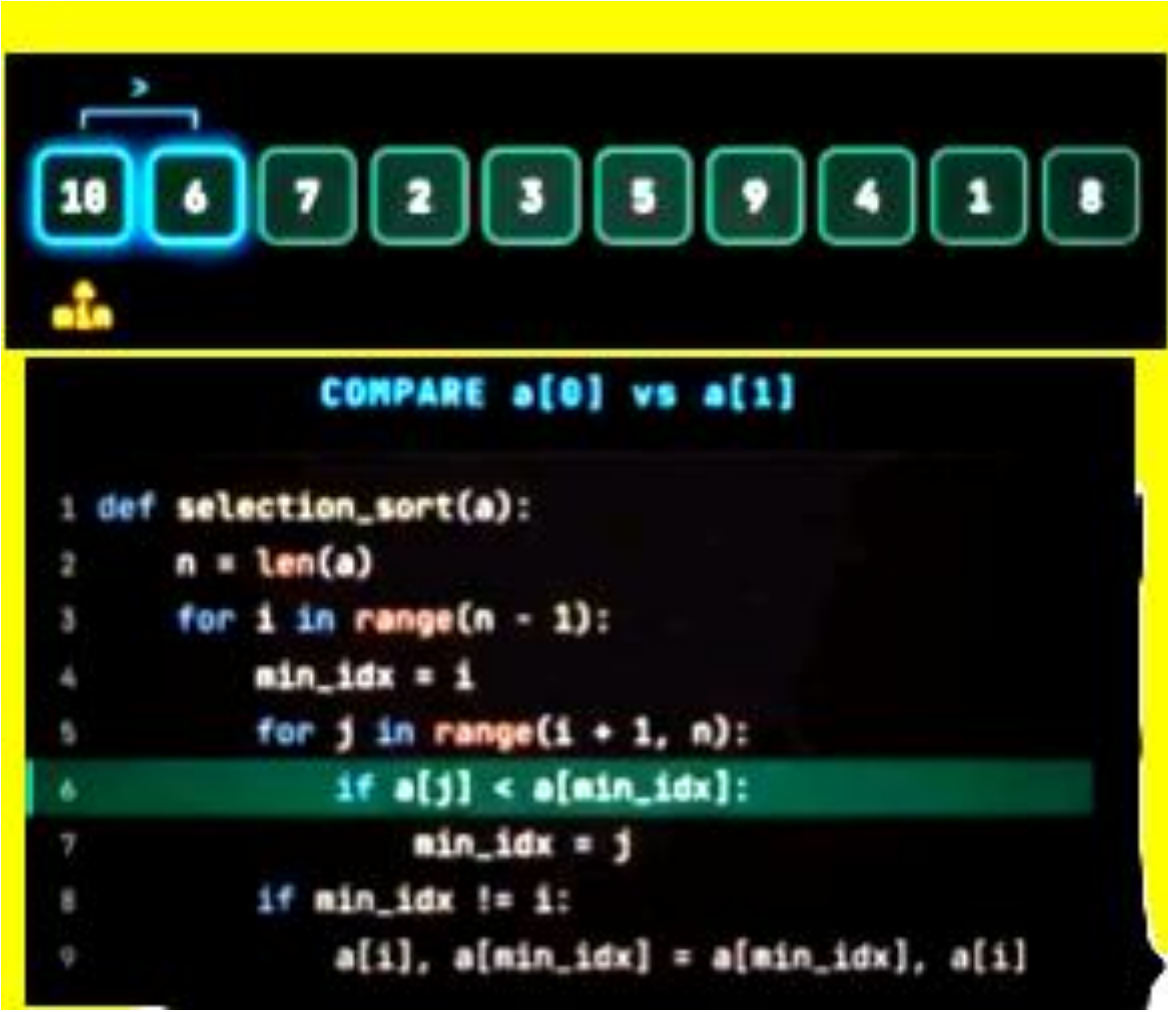


СОТИРАНЕ

Дадена е програма на Пайтън да се напише в C#



The diagram illustrates the selection sort algorithm. At the top, a horizontal array of numbers is shown: 10, 6, 7, 2, 3, 5, 9, 4, 1, 8. The first two numbers, 10 and 6, are highlighted with a blue glow and a bracket above them, indicating they are being compared. Below the array, a yellow arrow points to the number 6, labeled 'min', indicating it is the current minimum value found in the unsorted portion of the array. Below this, the text 'COMPARE a[0] vs a[1]' is displayed. At the bottom, a Python code snippet is shown, which implements the selection sort algorithm. The code is as follows:

```
1 def selection_sort(a):  
2     n = len(a)  
3     for i in range(n - 1):  
4         min_idx = i  
5         for j in range(i + 1, n):  
6             if a[j] < a[min_idx]:  
7                 min_idx = j  
8         if min_idx != i:  
9             a[i], a[min_idx] = a[min_idx], a[i]
```

1. Предварително зададен масив и резултат
2. Въвежда се броя на масива и всеки елемент като се показва въведеното и резултата.