EXERCISE-71; Selection Sort

PROGRAM;

```
def selection_sort(arr):
    n = len(arr)
    for i in range(n):
        min_index = i
        for j in range(i+1, n):
            if arr[j] < arr[min_index]:
                min_index = j
        arr[i], arr[min_index] = arr[min_index], arr[i]
arr = [64, 25, 12, 22, 11]
selection_sort(arr)
print("Sorted array is:", arr)
```

OUTPUT;

```
Sorted array is: [11, 12, 22, 25, 64]
```

TIME COMPLEXITY ; $O(n_2)$