

Dinesh Rathod(TA57) - Experiment 3: Selection Sort

```
def selection_sort(arr):  
    for i in range(len(arr)):  
        min_idx = i  
        for j in range(i + 1, len(arr)):  
            if arr[j] < arr[min_idx]:  
                min_idx = j  
        arr[i], arr[min_idx] = arr[min_idx], arr[i]  
  
user_input = input("Enter a list of integers separated by spaces: ")  
arr = [int(x) for x in user_input.split()]  
selection_sort(arr)  
print("Sorted array is:", arr)
```

Output:

```
PS F:\5th Sem\AI\Practicals> & "C:/Program Files/Python311/python.exe" "f:/5th Sem/AI/Practicals/AI_3.py"  
Enter a list of integers separated by spaces: 5 9 10 110 1 2  
Sorted array is: [1, 2, 5, 9, 10, 110]  
PS F:\5th Sem\AI\Practicals> 
```