

SEM 3\Exp8\Selection_sort.c

```
1 // Function to perform selection sort
2 void selectionSort(int arr[], int size)
3 {
4     for (int i = 0; i < size - 1; i++)
5     {
6         int minIndex = i;
7         for (int j = i + 1; j < size; j++)
8         {
9             if (arr[j] < arr[minIndex])
10            {
11                minIndex = j; // Find the index of the minimum element
12            }
13        }
14        // Swap the found minimum element with the first element
15        int temp = arr[minIndex];
16        arr[minIndex] = arr[i];
17        arr[i] = temp;
18    }
19 }
20
```