**Assignmennt-5**

**Qus-1**: **Selection Sort🡪**

**Ans: Algorithm for Selection Sort**

**Step 1**🡪Set min to the first location.

**Step 2**🡪 Search the minimum element in the array

**Step 3**🡪 Swap the first location with the minimum value in the array.

**Step 4**🡪 Assign the second element as min.

**Step 5**🡪 Repeat the process until we get a sorted array.

**Function for Selection Sort**

void selectionSort(int arr[], int n)

{

int i, j, min;

//one by one move boundry of unsorted subarray

For(i=0; i<n-1; i++)

{

//Find the minimum element in the unsorted array

min = i;

for(j=i+1; j<n; j++)

{

if(arr[j]<arr[min])

min = j;

}

//swap the found minimum element with the first element

Swap(arr[min],arr[i])

}

}