SELECTION SORT:

**package** selectiomsort35;

**public** **class** Selectionsort {

**public** **static** **void** main(String[] args) {

**int**[] arr = {1,8,3,10,20,6,7};

**int** length = arr.length;

*selectionSort*(arr);

System.***out***.println("The sorted elements are:");

**for**(**int** i:arr){

System.***out***.println(i);

}

}

**public** **static** **void** selectionSort(**int**[] arr){

**for**(**int** i=0;i<arr.length-1;i++){

**int** index =i;

**for**(**int** j=i+1;j<arr.length;j++){

**if**(arr[j]<arr[index]){

index =j;

}

}

**int** smallNumber = arr[index];

arr[index]= arr[i];

arr[i]= smallNumber;

}

}

}