**NAME: PRINCIA MELITA DSOUZA**

**EMP ID : 2483929**

**Selection Sort**

public class selectionSort {

public static void main(String[] args) {

int[] arr = {9,6,3,1,2,4,5};

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;

}

}

}

OUTPUT

The sorted elements are:

1

2

3

4

5

6

9

