ASSIGNMENT NO 5

Write a python program to store first year percentage of students in array. Write functions for sorting array of floating point numbers in ascending order using

a) Selection Sort

b) Bubble sort and display top five scores.

CODE:

def selection\_sort(arr):

n=len(arr)

for i in range(n-1):

min\_index=i

for j in range(i+1, n):

if arr[j] < arr[min\_index]:

min\_index=j

arr[i], arr[min\_index] = arr[min\_index], arr[i]

def bubble\_sort(arr):

n = len(arr)

for i in range(n):

swapped = False

for j in range(0, n-i-1):

if arr[j]> arr[j + 1]:

arr[j], arr[j + 1] = arr[j+1], arr[j]

swapped = True

if not swapped:

break

n=int(input("Enter the number of students: "))

percentages=[]