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Q batch Comp-2

Group B-14

Write a pythonprogram to store first year percentage of students in array. Write function

for sorting array of floating point numbers in ascending order using

a) Selection Sort

b) Bubble sort and display top five scores.

def shellSort(array, n):

interval = n // 2

while interval > 0:

for i in range(interval, n):

temp = array[i]

j = i

while j >= interval and array[j - interval] > temp:

array[j] = array[j - interval]

j -= interval

array[j] = temp

interval //= 2

data = [9, 8, 3, 7, 5, 6, 4, 1]

size = len(data)

shellSort(data, size)

print('Sorted Array qin Ascending Order:')

print(data)

OUTPUT

PS C:\Users\MANASWI> & C:/Users/MANASWI/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MANASWI/Downloads/shravanib14.py

Sorted Array qin Ascending Order:

[1, 3, 4, 5, 6, 7, 8, 9]