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Q batch Comp-2

Group B-15

Write a python program to store second year percentage of students in array. Write

function for sorting array of floating point numbers in ascending order using

a) Insertion sort

b) Shell Sort and display top five scores

def insertionSort(arr):

n = len(arr)

if n <= 1:

return

for i in range(1, n):

key = arr[i]

j = i-1

while j >= 0 and key < arr[j]:

arr[j+1] = arr[j]

j -= 1

arr[j+1] = key

arr = [12, 11, 13, 5, 6]

insertionSort(arr)

print(arr)

OUTPUT

PS C:\Users\MANASWI> & C:/Users/MANASWI/AppData/Local/Programs/Python/Python312/python.exe c:/Users/MANASWI/Downloads/shravaniB15.py

[5, 6, 11, 12, 13]

PS C:\Users\MANASWI>