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# Roll No: TI24

# Sorting

def bubbleSort(arr,n):  
 for i in range(n):  
 for j in range(0,n-i-1):  
 if arr[j] > arr[j+1]:  
 arr[j], arr[j+1] = arr[j+1], arr[j]  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 arr=[]  
 while True:  
 print("\n1.Enter array elements: ")  
 print("2.Sort array: ")  
 print("3.Exit")  
 ch = int(input("\nenter choice: "))  
  
 if ch == 1:  
 n = int(input("enter array elements: "))  
 for i in range(n):  
 no = int(input("enter the element: "))  
 arr.append(no)  
 if ch == 2:  
 bubbleSort(arr,n)  
 print("\nsorted array: ")  
 for i in range(len(arr)):  
 print("%d"%arr[i], end=" ")  
  
 if ch == 3:  
 break

#OUTPUT

C:\Users\Admin\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:\Users\Admin\PycharmProjects\pythonProject2\sort.py

1.Enter array elements:

2.Sort array:

3.Exit

enter choice: 1

enter array elements: 3

enter the element: 1

enter the element: 4

enter the element: 3

1.Enter array elements:

2.Sort array:

3.Exit

enter choice: 2

sorted array:

1 3 4

1.Enter array elements:

2.Sort array:

3.Exit

enter choice: 3

Process finished with exit code 0