

```

In [13]: ► import numpy as np
data_type = [('name', 'S15'), ('class', int), ('height', float)]

n = int(input('enter the number of students:'))
names = []
classes = []
heights = []

for i in range(n):
    x = input('Enter the name:')
    y = int(input('Enter the class:'))
    z = float(input('Enter the height:'))
    names.append(x)
    classes.append(y)
    heights.append(z)
students = np.zeros(n, dtype = data_type)
students['name'] = names
students['class'] = classes
students['height'] = heights

print("Original array:")
print(students)

print("Sorted by height")
print(np.sort(students, order = 'height'))

```

enter the number of students:4

Enter the name:Ron

Enter the class:8

Enter the height:5.8

Enter the name:John

Enter the class:9

Enter the height:4.8

Enter the name:Alex

Enter the class:10

Enter the height:6.2

Enter the name:Bob

Enter the class:8

Enter the height:5.6

Original array:

```
[(b'Ron', 8, 5.8) (b'John', 9, 4.8) (b'Alex', 10, 6.2) (b'Bob', 8, 5.6)]
```

Sorted by height

```
[(b'John', 9, 4.8) (b'Bob', 8, 5.6) (b'Ron', 8, 5.8) (b'Alex', 10, 6.2)]
```