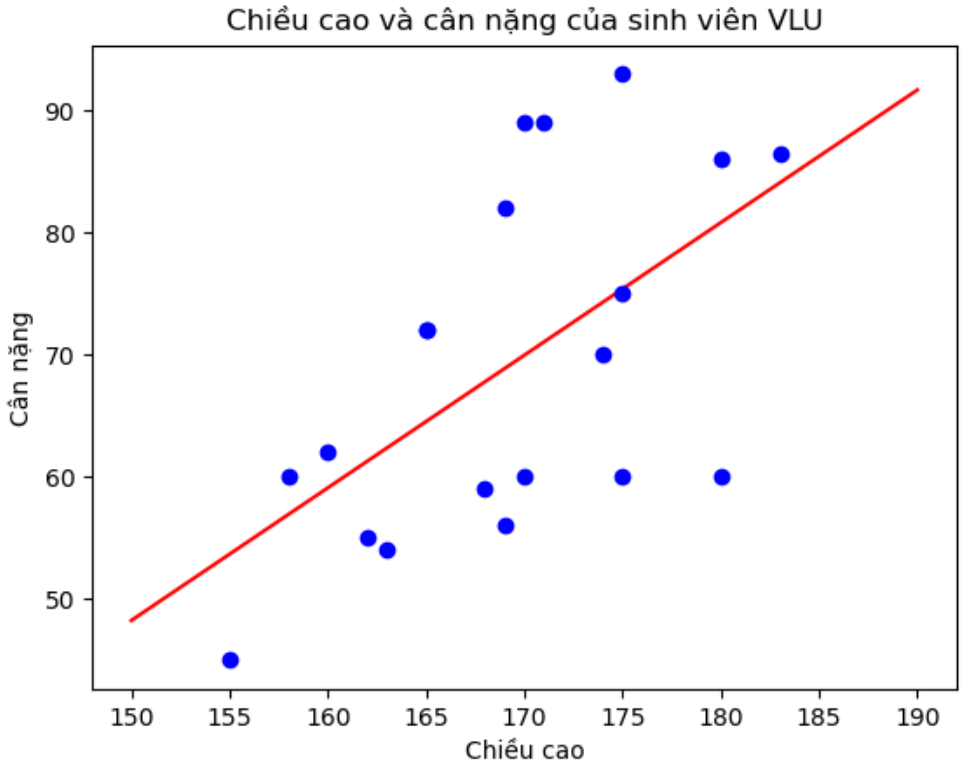
In [3]:
```
import numpy as np
import streamlit as st

import matplotlib.pyplot as plt
import streamlit.components.v1 as components

x = np.array([180, 162, 183, 174, 160, 163, 180, 165, 175, 170, 170, 169,
X = np.array([180, 162, 183, 174, 160, 163, 180, 165, 175, 170, 170, 169,
y = np.array([86, 55, 86.5, 70, 62, 54, 60, 72, 93, 89, 60, 82, 59, 75,
56, 89, 45, 60, 60, 72]).reshape((-1,1))
X = np.insert(X, 0, 1, axis=1)

theta_seg1 = np.linalg.inv(X.T.dot(X))
theta_seg2 = (X.T).dot(y)
theta = theta_seg1.dot(theta_seg2)

x1 = 150
y1 = theta[0] + theta[1] * x1
x2 = 190
y2 = theta[0] + theta[1] * x2
plt.plot([x1, x2], [y1, y2], 'r-')
plt.plot(X[:,1], y[:,0], 'bo')
plt.xlabel('Chiều cao')
plt.ylabel('Cân nặng')
plt.title('Chiều cao và cân nặng của sinh viên VLU')
```

Out[3]:
```
Text(0.5, 1.0, 'Chiều cao và cân nặng của sinh viên VLU')
```

In [18]:
```
from IPython.display import Image
```

In [19]:
```
Image(url= '/home/nuke/Documents/ML_VLU/lab1/nakba_1948.png')
```

Out[19]:



In [ ]: