

```
!pip install networkx
```

Looking in indexes: <https://pypi.org/simple>, <https://us-python.pkg.dev/colab-wheels/public/packages/>  
Requirement already satisfied: networkx in /usr/local/lib/python3.7/dist-packages (2.6.3)

```
import networkx as nx
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

```
df = pd.read_csv("heart.csv")
df.head()
```

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal
0	52	1	0	125	212	0	1	168	0	1.0	2	2	3
1	53	1	0	140	203	1	0	155	1	3.1	0	0	3
2	70	1	0	145	174	0	1	125	1	2.6	0	0	3
3	61	1	0	148	203	0	1	161	0	0.0	2	1	3
4	62	0	0	138	294	1	1	106	0	1.9	1	3	2

```
x = df["age"]
y = df["chol"]
q = df['trestbps']
p = df["target"]
```

```
z = [(y[i],p[i]) for i in range(len(x))]
print(z)
```

```
[(212, 0), (203, 0), (174, 0), (203, 0), (294, 0), (248, 1), (318, 0), (289, 0), (249, 0), (106, 0)]
```

```
G = nx.Graph()
```

```
G.add_edges_from(z)
```

```
plt.figure(figsize=(12,12))
nx.draw(G,with_labels=True, node_color='green')
```



