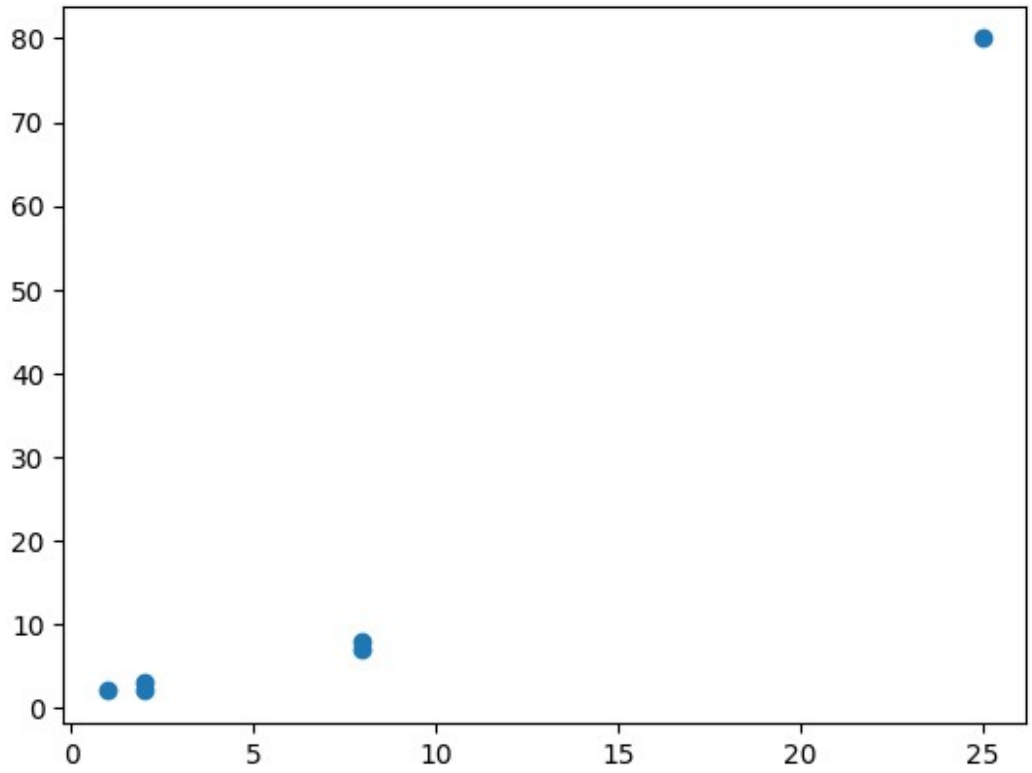
```
from sklearn.cluster import DBSCAN
import numpy as np
import matplotlib.pyplot as plt


X = np.array([[1, 2], [2, 2], [2, 3],[8, 7], [8, 8], [25, 80]])

plt.scatter(X[:, 0], X[:, 1])
plt.show()
```




```
db = DBSCAN(eps=10, min_samples=2)

db.fit(X)
db.labels_

array([ 0,  0,  0,  0,  0, -1])

import matplotlib.pyplot as plt
from sklearn.datasets import make_circles
from sklearn.cluster import DBSCAN
import numpy as np

# Create a concentric circle dataset
X, _ = make_circles(n_samples=500, factor=.5, noise=.03,
random_state=4)
```

```
# Apply DBSCAN to the dataset
dbscan = DBSCAN(eps=0.1, min_samples=5)
clusters = dbscan.fit_predict(X)

# Plotting
plt.scatter(X[:, 0], X[:, 1], c=clusters, cmap='viridis', marker='o')
plt.title("DBSCAN Clustering of Concentric Circles")
plt.xlabel("Feature 0")
plt.ylabel("Feature 1")
plt.show()
```