```
1   import matplotlib.pyplot as plt
2   from sklearn import datasets
3   X, y = datasets.make_blobs(n_samples=100,n_features=2,centers=2,cluster_std=1.05,random_
4   #plotting
5   fig=plt.figure(figsize=(10,8))
6   plt.plot(X[:, 0][y == 0], X[:, 1][y==0], 'r^')
7   plt.plot(X[:, 0][y == 1], X[:, 1][y==1], 'bs')
8   plt.xlabel("feature 1")
9   plt.ylabel("feature 2")
10  plt.title("Random Classification Data with 2 classes")
```

```
Text(0.5, 1.0, 'Random Classification Data with 2 classes')
```