

```

1 # Contour-plotting-Example-02
2
3 # Implementation of matplotlib function
4 import matplotlib.pyplot as plt
5 import numpy as np
6
7 feature_x = np.linspace(-5.0, 3.0, 70)
8 feature_y = np.linspace(-5.0, 3.0, 70)
9
10 # Creating 2-D grid of features
11 [X, Y] = np.meshgrid(feature_x, feature_y)
12 fig, ax = plt.subplots(1, 1)
13 Z = X ** 2 + Y ** 2
14
15 # plots filled contour plot
16 ax.contourf(X, Y, Z)
17
18 ax.set_title('Filled Contour Plot')
19 ax.set_xlabel('feature_x')
20 ax.set_ylabel('feature_y')
21
22 plt.show()

```

