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In [1]:
        import pandas as pd
         import numpy as np
         from mpl toolkits.mplot3d import axes3d
         import matplotlib.pyplot as plt
        %matplotlib notebook
In [2]: | iris = pd.read_csv('iris.csv')
         plt.figure()
         for species, irissubset in iris.groupby('Name'):
             plt.scatter(irissubset['PetalLength'], irissubset['PetalWidth'], alpha=0.8, 1
         plt.xlabel('PetalLength')
         plt.ylabel('PetalWidth')
         plt.legend();
         <IPython.core.display.Javascript object>
In [3]: | fig = plt.figure()
         ax = fig.add_subplot(111, projection='3d')
         for species, irissubset in iris.groupby('Name'):
             ax.scatter(irissubset['SepalLength'], irissubset['PetalLength'], irissubset['
         ax.set_xlabel('Sepal Length')
         ax.set_ylabel('Petal Length')
         ax.set_zlabel('Petal Width')
         ax.legend(loc=2)
        plt.show()
         <IPython.core.display.Javascript object>
In [4]: x, y, z = axes3d.get_test_data(0.1)
         fig = plt.figure()
         ax = fig.add_subplot(111, projection='3d')
         ax.plot_wireframe(x, y, z)
        plt.show()
         <IPython.core.display.Javascript object>
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In [5]: fig = plt.figure()
        ax = fig.add_subplot(111, projection='3d')
        ax.plot_surface(x, y, z, cmap = 'viridis')
        plt.show()
        <IPython.core.display.Javascript object>
In [6]: fig = plt.figure()
        ax = fig.add_subplot(111, projection='3d')
        ax.plot_surface(x, y, z, cmap = 'viridis')
        for angle in range(-90, 270):
            ax.view_init(90, angle)
            plt.draw()
        plt.show()
        <IPython.core.display.Javascript object>
In [8]: fig = plt.figure()
        ax = fig.add_subplot(111)
        x, y, z = axes3d.get_test_data(0.1)
        ax.contourf(x, y, z, 100)
        plt.show()
        <IPython.core.display.Javascript object>
In [ ]:
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