**import numpy as np**

**from sklearn import datasets**

**from sklearn.model\_selection import train\_test\_split**

**from sklearn.linear\_model import LogisticRegression**

**from sklearn.metrics import accuracy\_score**

**iris = datasets.load\_iris()**

**X = iris.data**

**y = iris.target**

**X\_train, X\_test, y\_train, y\_test = train\_test\_split(X, y, test\_size=0.3, random\_state=42)**

**model = LogisticRegression(max\_iter=200)**

**model.fit(X\_train, y\_train)**

**y\_pred = model.predict(X\_test)**

**accuracy = accuracy\_score(y\_test, y\_pred)**

**print('Accuracy: ',accuracy)**

**user\_defined\_values = np.array([[5.1, 3.5, 1.4, 0.2],**

**[6.2, 3.4, 5.4, 2.3]])**

**predictions = model.predict(user\_defined\_values)**

**print('Predictions for user-defined values: ', predictions)**