implement perceptron neural network to perform binary classification on diabities dataset

```
import pandas as pd
 In [1]:
 In [3]: filepath = pd.read_csv('diabetes.csv', header=None)
         df=filepath
         df.sample(3)
 Out[3]:
                   1
                       2 3 4
                                   5
                                         6 7 8
         173
                  79 60 42 48 43.5 0.678 23 0
                              0 32.4 0.272 42 1
         143 10 108 66
                           0
          78
               0 131 0 0
                              0 43.2 0.270 26 1
 In [6]: x=df.iloc[:,:-1]
         x.shape
 Out[6]: (768, 8)
 In [7]: y=df.iloc[:,-1]
         y.shape
 Out[7]: (768,)
 In [8]: from sklearn.model_selection import train_test_split
 In [9]: xtrain,xtest,ytrain,ytest = train_test_split(x,y ,test_size=0.2, random_state=2)
In [10]: xtrain.shape,xtest.shape,ytrain.shape,ytest.shape
Out[10]: ((614, 8), (154, 8), (614,), (154,))
In [11]: from sklearn.linear_model import Perceptron
In [12]: pm=Perceptron()
In [13]: pm.fit(xtrain,ytrain)
Out[13]:
             Perceptron 🔍 🕙
         Perceptron()
In [15]: pm_pred=pm.predict(xtest)
In [16]: from sklearn.metrics import accuracy_score,confusion_matrix
In [17]: | accuracy_score(ytest,pm_pred)
Out[17]: 0.6038961038961039
```