

```
import pandas as pd
import numpy as np
from sklearn.model_selection import train_test_split
from sklearn.neighbors import KNeighborsClassifier
from sklearn.metrics import accuracy_score
```

```
Data = pd.read_csv('diabetes.csv')
print(Data.shape)
```

```
data_x = Data.iloc[:,8]
data_y = Data.iloc[:,8]
print(data_y.head)
```

```
train_x, test_x, train_y, test_y =
train_test_split(data_x,data_y,test_size = 0.3)
print(train_x.shape)
print(train_y.shape)
print(test_x.shape)
print(test_y.shape)
KNN_model = KNeighborsClassifier(n_neighbors = 11)
```

```
KNN_model.fit(train_x,train_y)
KNN_pred = KNN_model.predict(test_x)
print(KNN_pred)
```

```
acc = accuracy_score(test_y,KNN_pred)
print(acc)
```