Implement K-Nearest Neighbors algorithm on diabetes.csv dataset. Compute confusion matrix, accuracy, error rate, precision and recall on the given dataset.

```
In [ ]: import pandas as pd
        import numpy as np
        import seaborn as sns
        import matplotlib.pyplot as plt
In [ ]: df = pd.read_csv("diabetes.csv")
In [ ]: df.head()
In [ ]: df.describe().T
In [ ]: df.isnull().sum()
In [ ]: df.head()
In [ ]: | X = df.drop('Outcome', axis = 1)
        X.head()
In [ ]: | Y = df['Outcome']
        Y.head()
In [ ]: cat list = X.columns
        cat list
In [ ]: from sklearn.model_selection import train_test_split
        x train, x test, y train, y test = train test split(X,Y,test size = 0.3,
        from sklearn.preprocessing import StandardScaler
        sc = StandardScaler()
        x_train1 = sc.fit_transform(x_train)
        x_test1 = sc.fit_transform(x_test)
In [ ]: from sklearn.neighbors import KNeighborsClassifier
        kc = KNeighborsClassifier(n_neighbors = 5)
        kc.fit(x_train1, y_train)
In [ ]: ypred1 = kc.predict(x_test1)
In [ ]: from sklearn.metrics import classification report, confusion matrix
        print(classification report(y test, ypred1))
```