```
In [1]: # Load Libraries
         import pandas as pd
         import numpy as np
        # Create feature matrix with two highly correlated features
In [2]:
        X = np.array([[1, 1, 1],
                       [2, 2, 0],
                       [3, 3, 1],
                       [4, 4, 0],
                       [5, 5, 1],
                       [6, 6, 0],
                       [7, 7, 1],
                       [8, 7, 0],
                       [9, 7, 1]])
        # Convert feature matrix into DataFrame
        df = pd.DataFrame(X)
        # View the data frame
Out[2]:
In [3]: # Create correlation matrix
        corr_matrix = df.corr().abs()
In [4]: # Select upper triangle of correlation matrix
         upper = corr_matrix.where(np.triu(np.ones(corr_matrix.shape), k=1).astype(bool))
        # Find index of feature columns with correlation greater than 0.95
In [5]:
        to_drop = [column for column in upper.columns if any(upper[column] > 0.95)]
        to_drop
In [6]:
        [1]
Out[6]:
In [7]:
        # Drop features
         df.drop(df[to_drop], axis=1)
```

Out[7]: - 2

2 3 1

3 4 0

4 5 1

5 6 0 6 7 1

7 8 O