```
import pandas as pd
from sklearn.linear_model import LinearRegression

data = pd.read_csv('data.csv')

linear_model = LinearRegression(fit_intercept=False, copy_X=True)

columns_in_regressions = [
        ['X_1', 'X_2', 'X_3'],
        ['X_2'],
        ['X_1', 'X_2']
]

for columns_in_regression in columns_in_regressions:
        linear_model.fit(data[columns_in_regression], data['Y'])
        print('Included variables: ', columns_in_regression)
        print('Parameter Estimates: ', linear_model.coef_, '\n')
```