```python
import numpy as np
from utils import _initialize, optimizer

np.random.seed(428)

# ========================== EDIT HERE
 ==========================
# 1. Choose DATA : Concrete / Graduate
# 2. Adjust Hyperparameters

# DATA
DATA_NAME = 'Concrete'

# HYPERPARAMETERS
batch_size = 823
num_epochs = 4000
learning_rate = 0.001

# ================================================
==========

epsilon = 0.01 # not for SGD
gamma = 0.9 # not for SGD

# OPTIMIZER
OPTIMIZER = 'SGD'

assert DATA_NAME in ['Concrete', 'Graduate']
assert OPTIMIZER in ['SGD']

# Load dataset, model and evaluation metric
train_data, test_data, linear_regression, metric =
_initialize(DATA_NAME)
train_x, train_y = train_data

num_data, num_features = train_x.shape
print('# of Training data : ', num_data)

# Make model & optimizer
model = linear_regression(num_features)
optim = optimizer(OPTIMIZER, gamma=gamma, epsilon=
epsilon)

# TRAIN
```

```
41 loss = model.train(train_x, train_y, num_epochs,
   batch_size, learning_rate, optim)
42 print('Training Loss at the last epoch: %.2f' % loss)
43
44 # EVALUATION
45 test_x, test_y = test_data
46 pred = model.forward(test_x)
47
48 MSE = metric(pred, test_y)
49
50 print(OPTIMIZER, ' MSE on Test Data : %.2f' % MSE)
51
```