The structure of Demo program:

1-hints

understanding the data
data shape

features of data

train data 80% and test data 20%

hyper parameter specification

2- define class

class BanknoteDataset

class ModelBanknote

class LossBanknote

class OptimizerBanknote

3-define main

*** first torch.manual_seed(1) for all**

***np.random.seed(1) for all**

#1-create dataset and dataloader objects

#2-create Net Loss optimizer

#3-def train network

#4-def evaluate model

#5-save model

#6-make a prediction

Print("End Banknote Demo!")

If __name__=="__main__":

define global variables like hyperpaarmeter of model

main()

finall1-write shall script for installing dependency

Finall2-write read me for specify version of python and other points