```
torch.save(model.state_dict(), "last_model.pth")

print("model saved")

def test(my_model, test_data, test_label, loss_func):
    pre=[]
    act=[]
    mean_mse = 0
    print("start testing...")
    my_model.load_state_dict(torch.load("best_model.pth"))
    my_model = my_model.eval()
    for i in range(len(test_data)):
        p=my_model(test_data[i])
    pre.append(p.item())
    act.append(test_label[i].item())
    loss = loss_func(p, test_label[i])
    mean_mse /= len(test_data)
    print("mean_mse = " + str(mean_mse))
    plt.figure(i)
    plt.plot(pre,color="r")
    plt.plot(act,color="b")
    plt.savefig("pred.png")

def main(mode):

my_epoches=80000
    my_model=housing_NN()
    my_loss_func = F.mse_loss
    my_opt=optim.Adam(my_model.parameters(),lr=0.001)
    my_batch_size=64

train_data, train_label, test_data, test_label = load_data()
```

```
if mode == "train":
    train(my_epoches,my_model,my_loss_func,my_opt,my_batch_size,train_data,train_label)

if mode == "test":
    test(my_model, test_data, test_label, my_loss_func)

if __name__ == "__main__":
    #main("train")
    main("test")
```

