PyTorch neural network basics

Sequential block

```
# 回顾一下多层感知机
import torch
from torch import nn
from torch.nn import functional as F
net = nn.Sequential(nn.Linear(20,256),nn.ReLU(),nn.Linear(256,10))
X = torch.rand(2,20)
net(X)
```

Custom block

```
class MLP(nn.Module):
    def __init__(self):
        super().__init__()
        self.hidden = nn.Linear(20,256)
        self.out = nn.Linear(256,10)

    def forward(self, X):
        return self.out(F.relu(self.hidden(X)))

net = MLP()
X = torch.rand(2,20)
net(X)
'''
区别点：
灵活性：nn.Sequential更适合简单模型，直接按顺序定义；而自定义 nn.Module 则适合需要灵活控制前向传播逻辑的场景。
代码结构：nn.Sequential实现更加简洁；而自定义 nn.Module 需要显式定义 forward 方法，适合更复杂的网络设计。
'''
```