**nn.Module.parameters()**

parameters()会根据初始化函数返回一个生成器(迭代器)，生成器每次生成的都是Tensor类型的数据

class Net(nn.Module):

def \_\_init\_\_(self):

super().\_\_init\_\_()

self.linear1 = nn.Linear(2,3)

self.sigmoid = nn.Sigmoid()

self.linear2 = nn.Linear(3,1)

def forward(self,x):

out = self.linear1(x)

out = self.sigmoid(out)

out = self.linear2(out)

return out

net = Net()

for param in net.parameters():

print(param)

print(type(param))

>>>

Parameter containing:

tensor([[ 0.2011, -0.6551],

[-0.1703, -0.3881],

[ 0.6038, -0.3419]], requires\_grad=True)

Parameter containing:

tensor([ 0.2742, -0.4295, -0.4305], requires\_grad=True)

Parameter containing:

tensor([[-0.1555, 0.0627, -0.3229]], requires\_grad=True)

Parameter containing:

tensor([0.5318], requires\_grad=True)

<class 'torch.nn.parameter.Parameter'>