Deep Neural Networks

LATEST SUBMISSION GRADE

100%

1. Consider the following class or Module: **1 / 1 point**

```
class Net(nn.model):
  def __init__(self, D_in, H1, H2, D_out):
    super(Net, self).__init__()
    self.linear1 = nn.Linear(D_in, H1)
    self.linear2 = nn.Linear(H1, H2)
    self.linear3 = nn.Linear(H2, D_out)
  def forward(self, x):
      (Multiple Choice)
    return x
```

How many times should the activation function (like sigmoid) be applied in the def forward(self, x) if the result contains multiple classes?

2

✓ **Correct**
correct

2. Consider the following code: **1 / 1 point**

```
class Net(nn.Module):

    # Constructor
    def __init__(self, D_in, H1, H2, D_out):
        super(Net, self).__init__()
        self.linear1 = nn.Linear(D_in, H1)
        self.linear2 = nn.Linear(H1, H2)
        self.linear3 = nn.Linear(H2, D_out)

    # Prediction
    def forward(self,x):
        x = torch.sigmoid(self.linear1(x))
        x = torch.sigmoid(self.linear2(x))
        x = self.linear3(x)
        return x

model = Net(3,5,4,1)
```

How many hidden layers are there in this model?

2

✓ **Correct**
correct