Convolutional Neural Networks

LATEST SUBMISSION GRADE

100%

1. Consider the output layer of a Convolutional Neural Network how many classes are there: **1 / 1 point**

```
1   self.fc1=nn.Linear(out_2*49,5)
```

5

✓ **Correct**

5

2. How many convolutional layers dose the following neural network class or module have: **1 / 1 point**

```
class CNN(nn.Module):

    # Contructor
    def __init__(self, out_1=16, out_2=32):
        super(CNN, self).__init__()
        self.cnn1 = nn.Conv2d(in_channels=1, out_channels=out_1, kernel_size=5, padding=2)
        self.maxpool1=nn.MaxPool2d(kernel_size=2)

        self.cnn2 = nn.Conv2d(in_channels=out_1, out_channels=out_2, kernel_size=5, stride=1, padd
ing=2)
        self.maxpool2=nn.MaxPool2d(kernel_size=2)
        self.fc1 = nn.Linear(out_2 * 4 * 4, 10)

    # Prediction
    def forward(self, x):
        x = self.cnn1(x)
        x = torch.relu(x)
        x = self.maxpool1(x)
        x = self.cnn2(x)
        x = torch.relu(x)
        x = self.maxpool2(x)
        x = x.view(x.size(0), -1)
        x = self.fc1(x)
        return x
```

2

✓ **Correct**

correct