

# Improvement 1 - Defining the model without using class format

# Recap: Implementation of VGG-16 in PyTorch

Defining the model

```
class Net(nn.Module):  
  
    # Input  
    # Linear(64, 'relu')  
    # Linear(1, 'sigmoid')  
  
    def __init__(self):  
        super(Net, self).__init__()  
        #define the dense block  
        self.linear_layers=Sequential(  
            #[bs,512*7*7]  
            Linear(512 * 7 * 7, 64),  
            #[bs,64]  
            ReLU(),  
            #[bs,64]  
            Linear(64, 1),  
            #[bs,1]  
            Sigmoid()  
        )  
  
        # Defining the forward pass  
    def forward(self, x):  
        #dense block  
        x = self.linear_layers(x)  
        return x
```