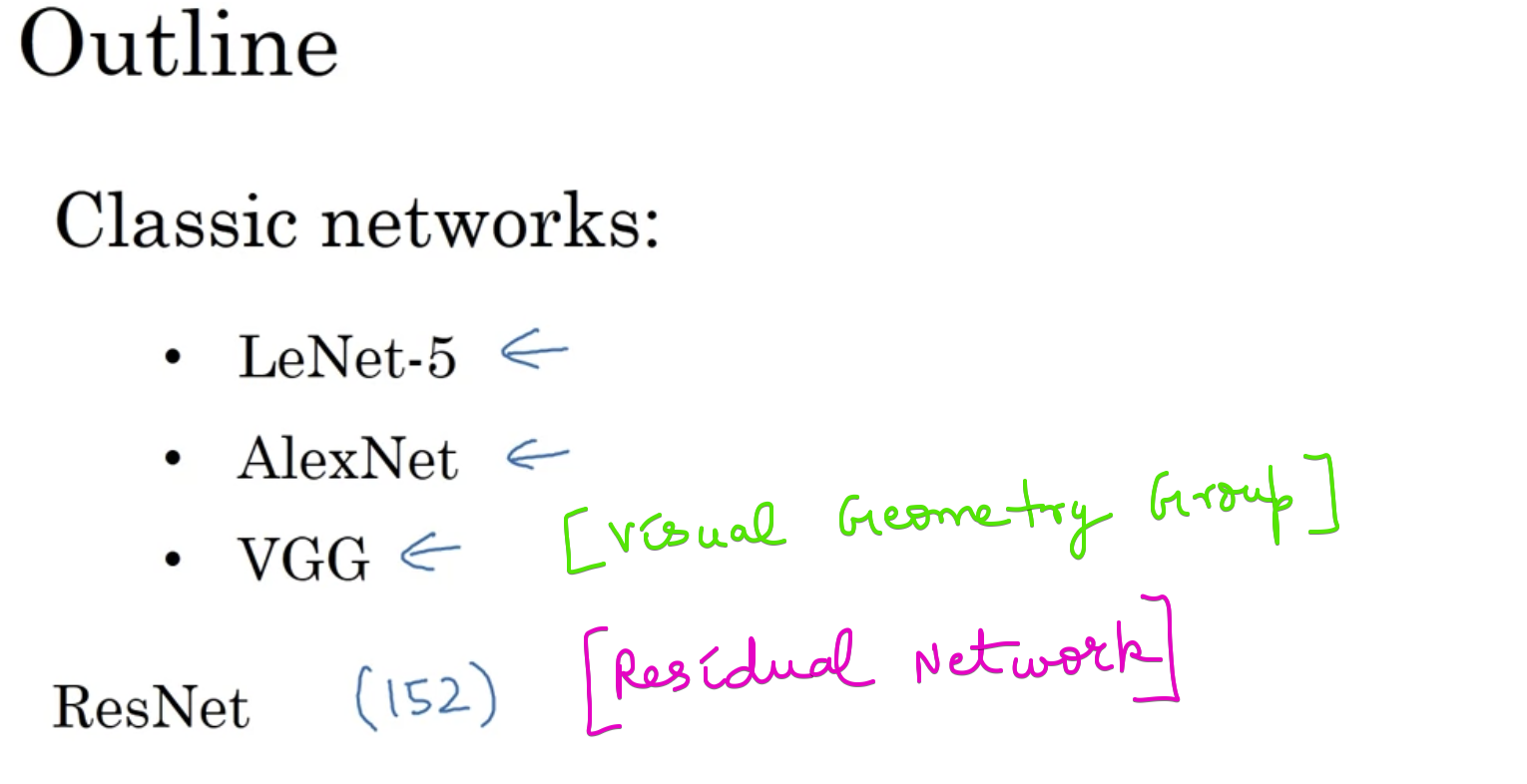
# **Why Look at Case Studies ??**



# **Classical Networks**

## **Le Net**

Le Net 🡪 Input is from MNIST data-set (0-9 digits in Grey Scale)

A picture containing shape

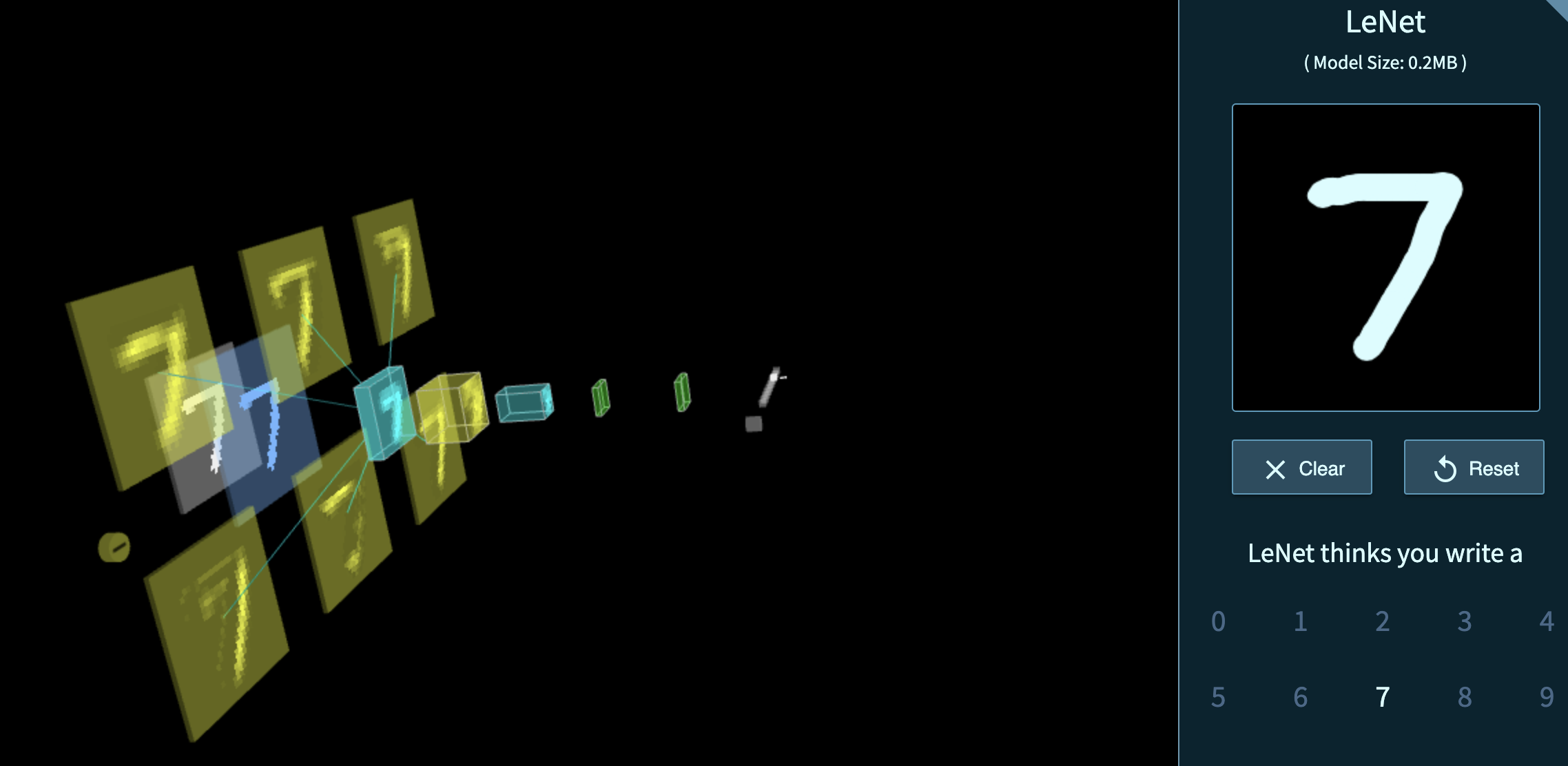
Description automatically generated

Stride 🡪 Six 5\*5 filter

Average Pool 🡪 filter=2; stride=2

Sub-Sampling also known as Pooling

The above network recognizes digits from 0 to 9. So the size of the output is 10





## **Alex-Net**

Input 🡪 RGB Image (nc = 3)

Le Net uses 60 parameters  
Alex Net uses 60 million parameters