SMAI (CSE 471)

Spring-2019

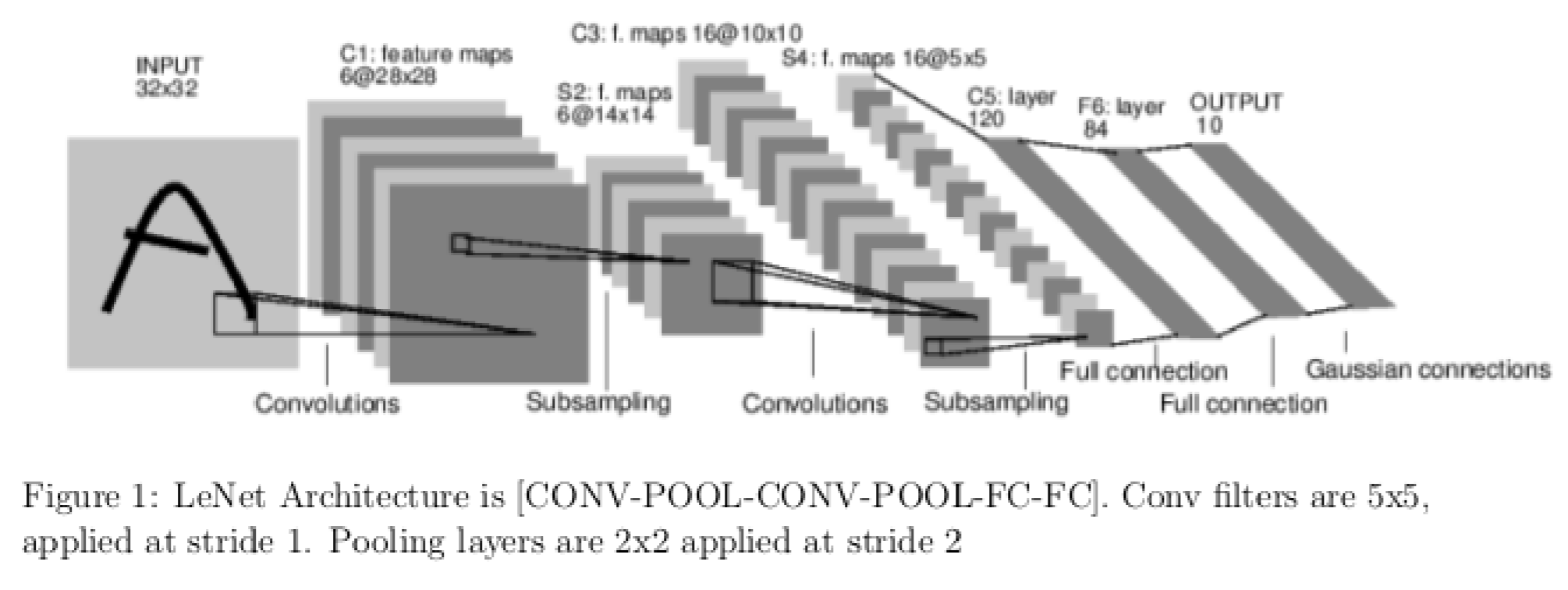
Assignment-6

Name: Karnati Venkata Kartheek

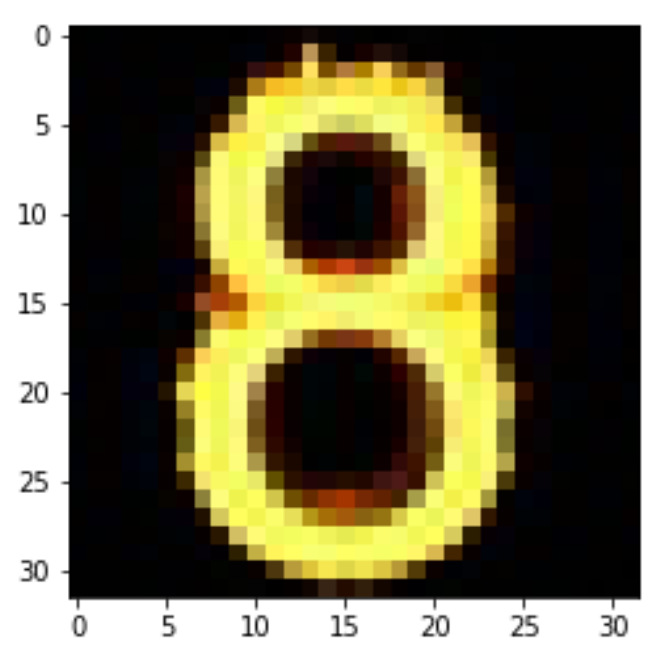
Roll Number 2018801010

**Question1**

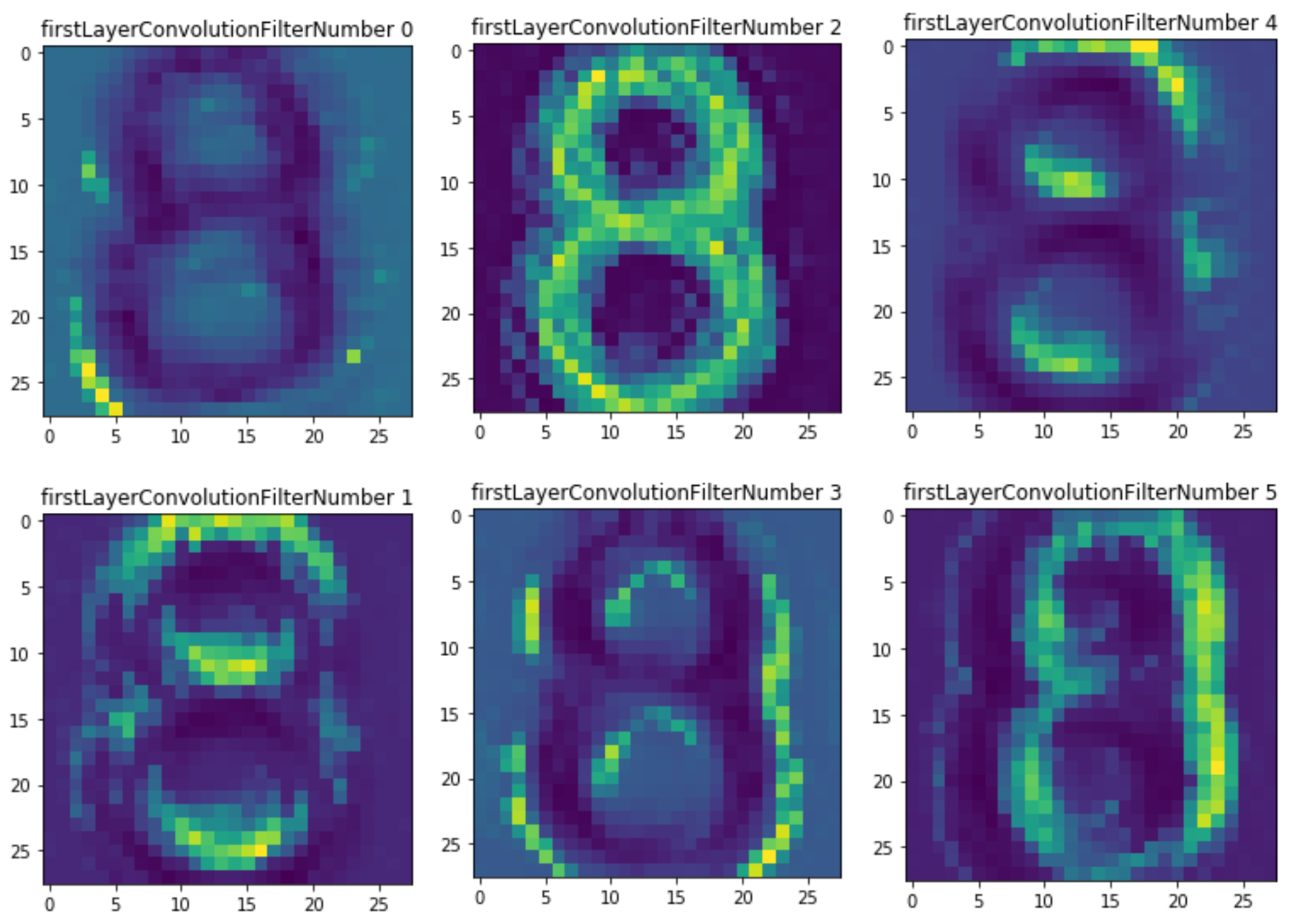
**Part1(Q1.1)**



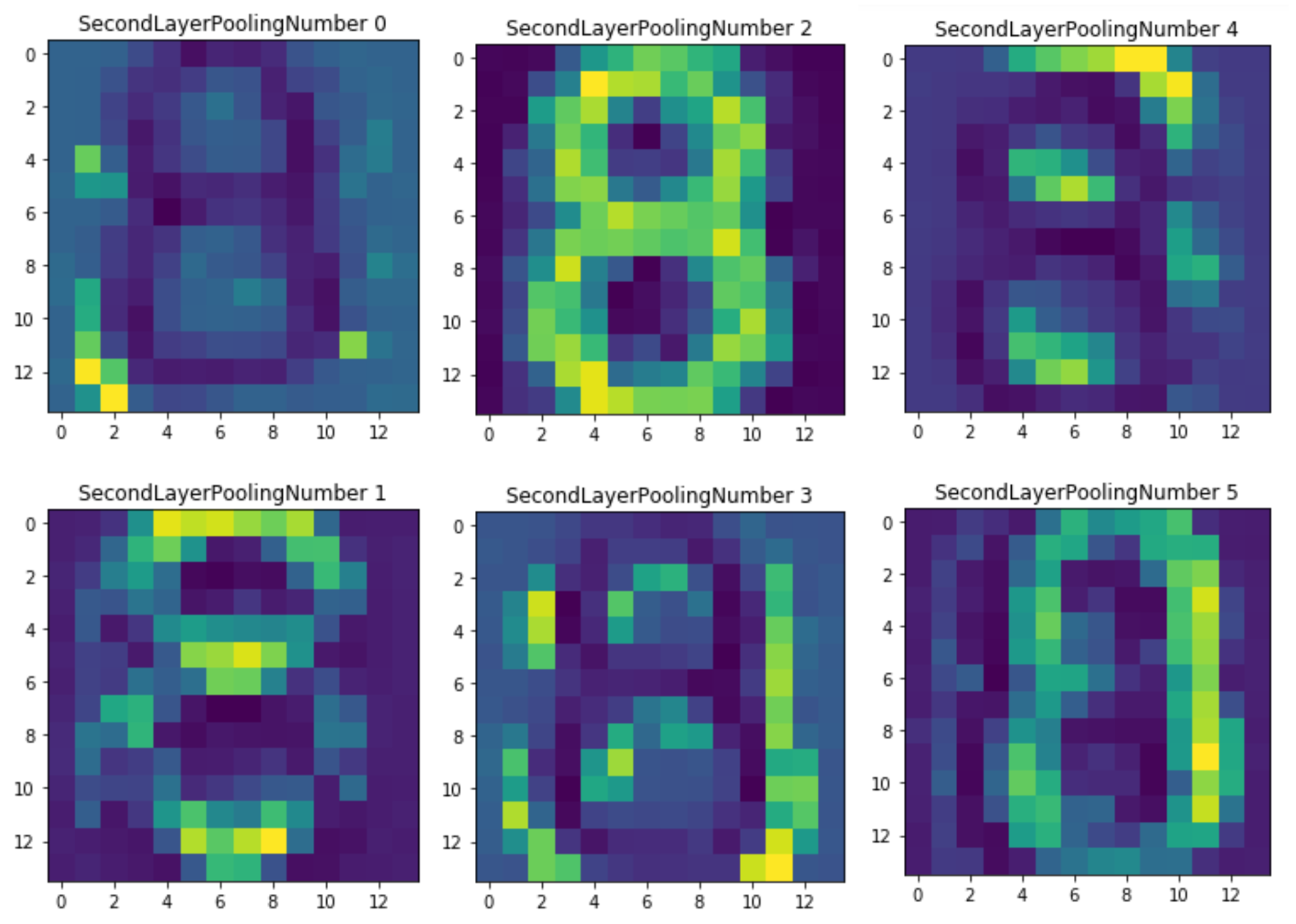
Input Image



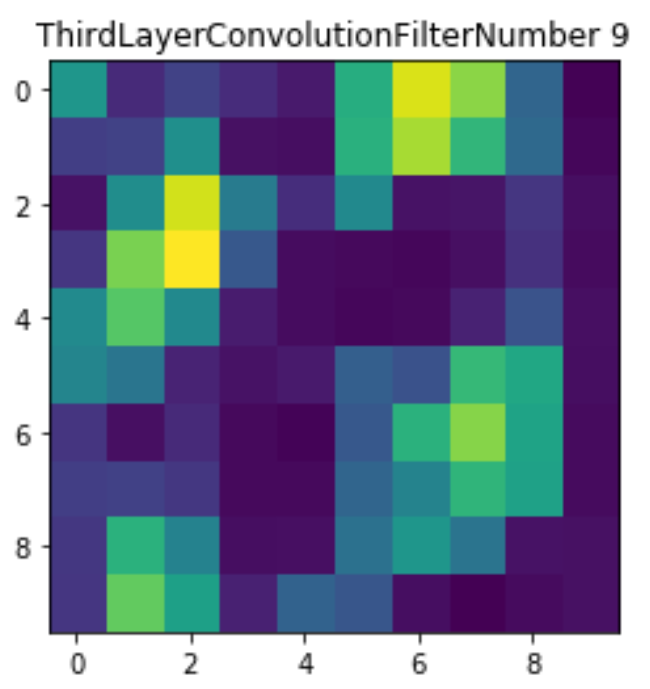
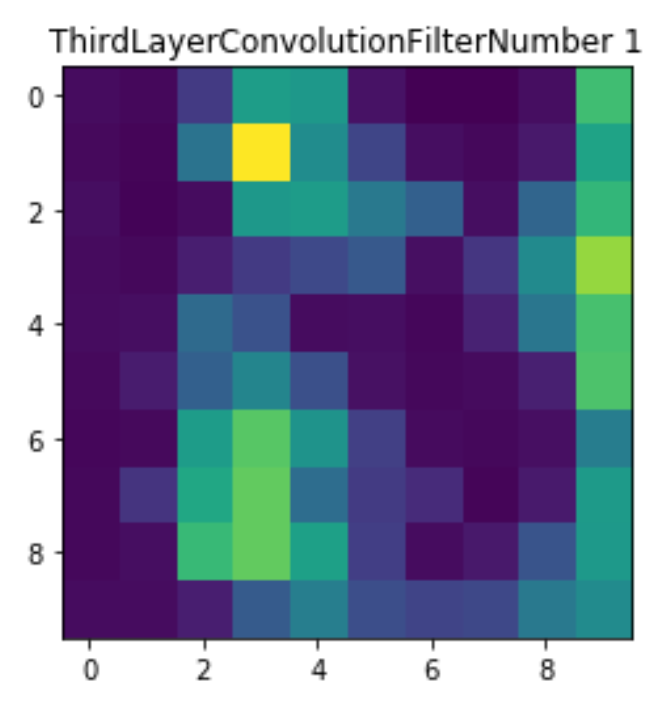
C1:feature maps



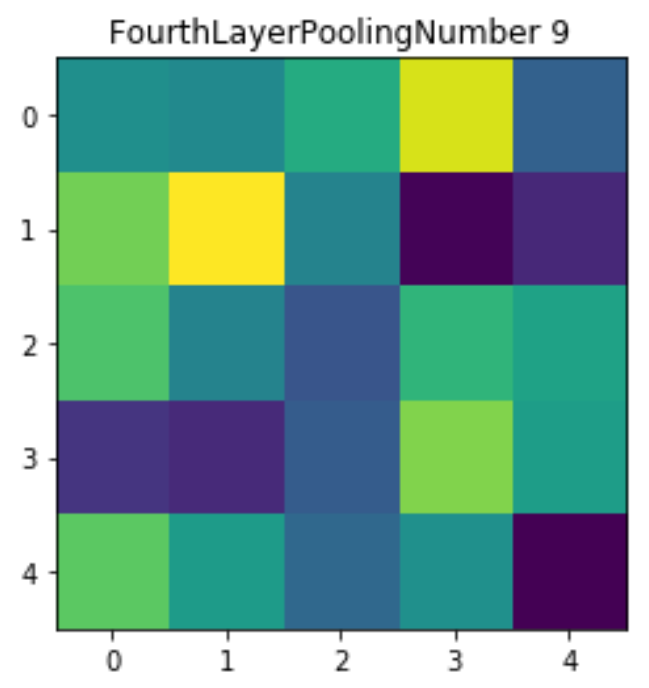
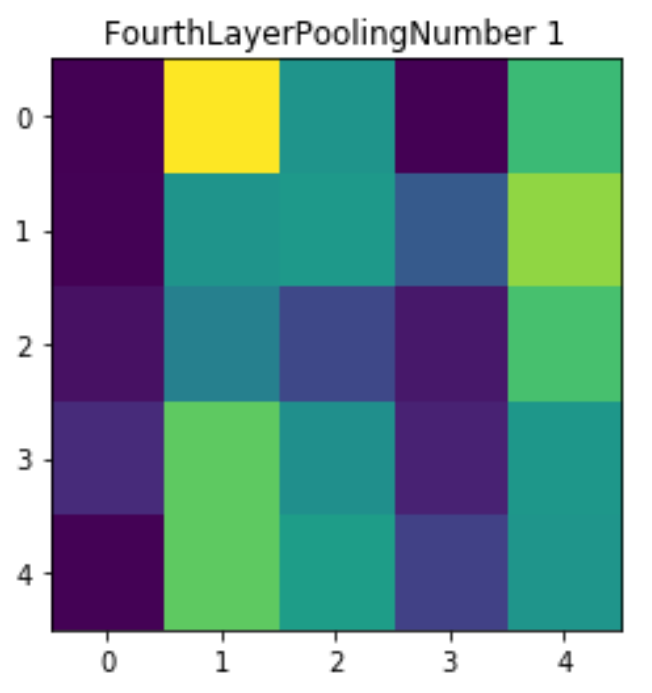
S2:feature maps



C3:feature maps



S4:feature maps



**Part2(Q2)**

1)Number of Parameters in the first Convolution Layer =

6 feature Maps = 5x5 filters = 150 weights

6 Biases

Total Parameters in the first Convolution Layer = 156

2)Number of Parameters in the Pooling Operation = 0

3)Fully Connected Layer has the most number of parameters

4)Initial Convolution Layer consumes most amount of memory