Assignment1

**What I do:** I write a java program leveraging aws sqs service, since the assignment required us to return the first IP address, I created a fifo queue. The java program can be found in the attached files.

**Queue Configuration:**

**A screenshot of a cell phone

Description automatically generated**

Default fifo queue configuration with content-based deduplication enabled.

**Input of the program:**

**A screenshot of a cell phone

Description automatically generated**

User can manually enter IP Address in the program argument. What I do here is that, I entered 5 IP Address, 168.0.1 to 168.0.5

User can enter as many IP Addresses as they want only if the number is no more than the maximum number of messages that the fifo queue accepts.

**Output of the program:**

**A screenshot of a computer

Description automatically generated**

As we can see, the program successfully output the fist IP Address I entered in, which is 168.0.1.

**Messages in queue:**

A screenshot of a social media post

Description automatically generated

After retrieving the most fist message, the number of messages in queue now is 4.