**Lab 3 Report**

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**Questions**

*Assume you perform a histogram operation on an array of size N, 16 blocks, block size of B and 1024 bins. Assume a privitized histogram implementation.*

*1. How many global memory reads are performed during the histogram kernel?*

**Answer:**

N + 1024 \* 16

*2. How many global memory writes are performed during the histogram kernel?*

**Answer:**

1024 \* 16

*3. How many total atomic operations are performed?*

**Answer:**

N + 1024 \* 16