Evaluation of the Learning Objectives

•**Describe** Different Levels of Nvidia GPU Memory hierarchy

Possible questions:

1. Explain the difference between Shared and Global memory in an Nvidia GPU
2. How can you find how much Shared memory is available
3. What is shared memory used for

•**Use** Shared Memory

Possible questions:

1. Download and compile the provided code

Change the number of threads per block

Are the results produced correct? Can you explain why?

•**Examples** GPU programs
•Histogram

Possible questions
1. Change the histogram to:
   a. Histogram with number of buckets bigger than the max number of threads per block allowed
   b. Histogram of words