King Saud University
College of Computer and Information Sciences
Department of Computer Science
CSC453 – Parallel Processing – Tutorial No 3 – Fall 2021

Question

1. What GPGPU stands for and what does it mean.

2. Why CUDA is said Heterogeneous computing.

3. Give the definition of the following terms:
   a. Device:
   b. Kernel.
   c. Grid of thread blocks.
   d. Warp.

4. Explain the parallel programming model of CUDA.

5. Enumerate and explain the different types of memory adopted by CUDA.

6. Explain Why the Constant memory is cached, while the Global memory is not.

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