



VIT-AP
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INSTITUTE

C{ }DE-A-TH{ }N - 2022

Assignment 5

Q. Sorting on GPU

Q.1 Write a sequential program using C/C++/Python for sorting an integer array of size 100000 in ascending order

Q.2 Deploy the above code on GPU using CUDA C++/ CUDA Python

Submission

- Explain in brief your parallelization strategy like data splitting, thread/block creation, and allocation etc.

Ans:

Submission

- Insert your findings into the below table

Ans:

	Sequential Time	Parallel version 1 time	Parallel version 2 time	Speedup wrt parallel version 1	Speedup wrt parallel version 1
Sort					

Note:- In case if needed you can add more columns if you have implemented multiple parallel versions

Submission

- Comment on your observations such as limitations of proposed solution, etc.

Ans:

Submission

- Rename the file as <TEAM_NAME>_Assignment5
- Send the presentation file with source code to coordinator's mail