

### **Assignment -III**

**Q1:** Convert the code of Question 1 of Assignment -II (K-Fold Cross Validation with Linear Regression) to GPU accelerated code (using CuDF, CuPy, and CuML). Compare the time taken to execute each cell in each case (Use %%time as first line in each cell for it).

**Q2:** Implement Linear Regression on USA Housing Dataset using

(i) sklearn in-built function

(ii) CuML in-built function

Compare time taken in each case

**Q3:** Go through CuDF notebook-1 (entitled “01-Intro\_to\_cuDF” in Google Classroom)