# CS69011: Computing Lab
## Task : Linear Programming and Integer Programming

## September 4, 2023

===============================Instructions=============================

1. In the case of user input, assume only valid values will be passed as input.

2. Regarding submission: Create a separate Python file for each task : **<RollNo>_T1.py <RollNo>_T2.py <RollNo>_T3.py**

3. Create a zipped file of all these Python files with the name:
   **<RollNo>_LP_TS.zip** and submit it to Moodle.

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**T1 (20 mins)**. Using Python OR-Tools(pywraplp) find the maximum value of *3x + 4y* subject to the following constraints:-

1.  x + 2y <=14
2.  3x - y >= 0
3.   x - y <= 2