

**Machie Learning Lab**  
**IV Sem, DSE, Feb 2023**

**Week - 04**

1. Write the python code to perform the simple linear regression on the following datasets (a) Sample X-Y, (b) Student marks.
  - Draw the regression graph.
  - Find the SLR coefficients.
  - Predict the output for a new datapoint.
  - Find the SLR errors.
  
2. Write the python code to perform the multiple linear regression on the following datasets (a) Student marks, (b) Income.
  - Draw the regression graph.
  - Find the MLR coefficients.
  - Predict the output for a new datapoint.
  - Find the MLR errors.

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