**AIM** : Predicting whether a customer will be a “defaulter” for the loan taken based on loan\_amount, age & income of the customer.

(Use the attached DefaulterData.csv dataset for this task.)

This problem statement is based on Linear Regression algorithm. Use *sklearn* learn library in Python3 to implement a Machine Learning model for this task. You may use supplementary libraries like *pandas* and *matplotlib + seaborn* for data cleaning and visualization along with import , export or summarization of values. Your objective should to achieve as high accuracy as possible. You will be graded on the basis of completion of following activities:

1. Importing the data from the given source
2. Data pre-processing
3. Using visualization & analytical tools to find out the correlation of independent features with the target feature
4. Implementing the model
5. Training and testing of model
6. Calculating the required metric to judge the performance of the model & explaining the result
7. Prediction of unknown data for demonstrating real-world performance

Please submit your solutions in the form of a jupyter notebook.