

A Company wants to automate the loan eligibility process based on customer details provided while filling online application form. The details filled by the customer are Gender, Marital Status, Education, Number of Dependents, Income of self and co applicant, Required Loan Amount, Required Loan Term, Credit History, and others.

Loan\_ID --> Unique id for every loan request

Gender --> Applicant's Gender

Married --> Applicant's Marital status

Dependents --> How many people are dependent on the Applicant in his/her family.

Education --> Applicant's Education

Self\_Employed --> Whether the applicant is employed | Owner of business

ApplicantIncome --> Applicant's Income on record

CoapplicantIncome --> CoApplicant's Income on record

LoanAmount --> Amount of Loan required

Loan\_Amount\_Term --> Duration in which applicant wants to pay back the loan amount.

Credit\_History --> Whether the candidate has good or bad credit history in past

Property\_Area --> Type of locality of property which the candidate has given as mortgage. The type tells us about property valuation.

**Check eligibility of the Customer given the inputs described above.**

### **Note:**

Your python program should be **commented**, and **structured**.

Don't delete any tuples. Use other techniques for cleaning the dataset.

Projects **should** demonstrate successfully during class (at the end of class, last 15 mins of lecture) or during office hours to receive a score.