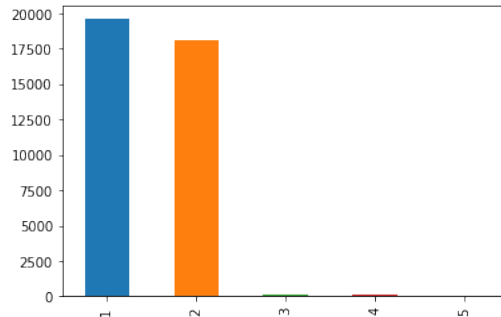


# Quiz Day 11, MAT 128, SPRING 2019

NAME:

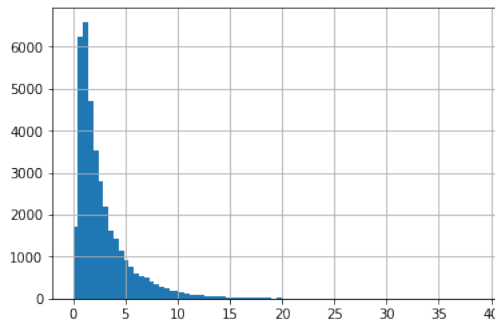
You are allowed one 8 1/2" x 11" sheet of paper with hand-written notes on both sides.

- 1) (a) In Lab 3, we made the following plot of the payment types used for green taxi trips



Approximately how many trips were paid for by payment type 2?

- (b) In Lab 4, we made the following plot of the distribution of the trip lengths of green taxi trips.



For approximately what range of distances were there more than 2000 trips made?

- 2) Assume the dataframe `students` contains information about students at Lehman College (each row represents one student) and has already been created from a file.

- (a) The column `year` in the dataframe `student` contains the year (`Freshman`, `Sophomore`, `Junior`, `Senior`, `Other`) the student is in. Write a piece of code to create a bar chart of the data in the `year` column.

- (b) The column `num_credits` in the dataframe `student` contains the number of credits the student has completed at Lehman so far. Write a piece of code to create a histogram of the data in the `student` column. Your histogram should have a title and labels on the x and y axes.