Day1

1. Assignment
   Use the following link and answer the following questions.
   https://raw.githubusercontent.com/justmarkham/pandas-videos/master/data/chipotle.tsv
   1. What is total item price.
   2. What is minimum, maximum, average, 25% and 75% of item price
   3. Display all rows with item_name starts with "Chips"
2. Use tips dataset from seaborn, and display graph to show male and female smokers and non smokers
   a. Find daywise min, max, average, and 25 and 75 percentile of total bill
   b. On every data how many males and how many females go to hotel
   c. On which day number of visitors are maximum and on which day the number of visitors are min.

Day 3

1. Using following equation generate data for polynomial regression.
   X = 6 * np.random.rand(200, 1) - 3
   y = 0.7 * X**3 +0.8 * X**2 + 0.85 * X + 2 + np.random.randn(200, 1)

2. Find accuracy score for degree2,3, 4, 5,6,7,8 for above data, display best suitable degree for the scenario, also display coefficients.