Solution outline :
Question 1:

- 12 models
- Instant and date features are irrelevant (nominal)
- KNN regression
- No k fold needed
- sklearn regression
    - sklearn.linear_model.LinearRegression
    - sklearn.neighbors.KNeighborsRegressor
- Metics :
  r2, RMSE, variance

Summary:

- Data preprocessing steps, in short.
- Which model performs better in each case:
    - Casual
    - Registered
    - Total
    - What values or observations led you to reach the conclusion (metrics, etc)

Question 2:

- **n_clusters** = 3
- init = random
- sklearn.cluster.KMeans
- Figure required, as shown in lectures (“Follow the steps in the k-means demo video from the lectures. “)
- Count values for each cluster.
- Summary:
    - There was an observed structure in the figure when PCA was applied.
    - The clusters had values that can be associated with class counts.
    - Cluster id and class id are not same, and the mapping is not expected.