Task 1

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1) Using sendy\_logistics.csv dataset create a new column and call it 'Temp\_Diff' that calculates the difference of 'Tempreture' Column and current temperture.

note: you can get current tempreture from searching on google.

2) Using sendy\_logistics.csv dataset create a new column and call it 'Fehr\_Temp' that calculates the fahrenheit tempreture from celsius 'Tempreture' Column.

note: you can get the converting formula celsius to fahrenheit from google.

Task 2

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1) Using ufo.csv dataset, extract Month from 'Time' and use it to create new column and call it 'IN\_December', then it will have a value of '1' if the month is December and '0' otherwise.

2) Using ufo.csv dataset, create new column and call it 'Time\_Diff\_From\_WW1' that have time difference in years from the 'Time' Column and World War 1 start date that is 'July 28, 1914'.

Task 3

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1) Using titanic\_full.csv dataset, extract Mr,Miss,Mrs,etc.. from 'Name' column and use it to create new column and call it 'Title', then plot a countplot

showing the count for each title in the dataset.

2) Using sendy\_logistics.csv extract user\_id in a seperate column.

Task 4

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1) Using visitor-interests.csv dataset, from the first 50 row extract Browser, OS, Device data from 'UserAgent' column and use it to create new columns for Browser, OS, Device.

2) Using visitor-interests.csv dataset, from the first 50 row extract latitude, longitude from 'IP' column.

Task 5

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1) Using visitor-interests.csv dataset, from the first 50 row extract latitude, longitude from 'IP' column and use it to create new 'Dist\_From\_Egypt' column calculating distance with Egypt Lat/Lonng, you can get this location from google.

Task 6

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1) Using Restaurant\_Reviews.csv dataset extract Bag Of Words CountVectorizer Features.

2) Using Restaurant\_Reviews.csv dataset extract TfidfVectorizer Features.