



# TAE\_1

## Topic

## Data Preprocessing and Visualisation

**Branch :- Artificial Intelligence**

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**Subject : Honor In DataScience**

## STEP-1 : Import Pandas Library And Dataset ( As Shown In Fig Below )

```
[ ] import pandas as pd

[ ] df=pd.read_csv("/content/Dataset.csv")
```

df.head()

	Country	Age	Salary	Purchased
0	France	44.0	72000.0	No
1	Spain	27.0	48000.0	Yes
2	Germany	30.0	54000.0	No
3	Spain	38.0	61000.0	No
4	Germany	40.0	NaN	Yes

## STEP-2 : Check The Null Value IN the DataSet By Following Command

As We Can See There Is a Some Null Value in Our DataSet So We Need To Clean it.

```
[ ] df.isnull().sum()

Country      0
Age          1
Salary       1
Purchased    0
dtype: int64
```

STEP-3 : Now, We Will Use a in-Built Function Of Python ( Dropna) And Will Remove All NULL Value From DataSet And Then Check Again Wheather Our Function Is Working Or Not .

```
[ ] df.dropna(inplace=True)
```

df.isnull().sum()

Country	0
Age	0
Salary	0
Purchased	0

dtype: int64

STEP-4 : Now we have removed all null values from our data set it means that we have done the pre-processing part . It's Time For Visualisation of DataSet in Tableau

