MODEL TESTING
Documentation:

DATE	03-11-2023
TEAM ID	NM2023TMID00283
PROJECT NAME	Subscriber Galore: Exploring the world's top youtube channels.

Model Testing:

```
In [32]: model.compile(optimizer='adam', loss='mse', metrics=['mae', 'mape'])

In [33]: print(X.shape, X_train.shape, X_test.shape)

(50, 8) (40, 8) (10, 8)

In [37]: df['Subscribers (millions)']=df['Subscribers (millions)'].astype(float)
         Category = df.groupby('Category')['Subscribers (millions)'].sum()
         print(Category)

Category
Education        334.1
Entertainment   1138.1
Film             142.1
Games            204.3
How-to            79.2
Music           1500.7
News              55.9
Sports           152.8
Name: Subscribers (millions), dtype: float64

In [38]: df['Subscribers (millions)']=df['Subscribers (millions)'].astype(float)
         Country = df.groupby('Country')['Subscribers (millions)'].sum()
         print(Country)

Country
Argentina                     56.0
Belarus                       44.6
Brazil                       111.3
Canada                        71.1
Chile                         47.6
Cyprus[a]                     79.2
El Salvador                   45.7
India                       1377.6
Mexico                        46.5
Romania                       53.1
Russia                       139.9
South Korea                  294.3
Sweden                       111.0
Ukraine                      109.0
United Kingdom                53.0
United States                921.9
United States ( Puerto Rico)  45.4
Name: Subscribers (millions), dtype: float64
```