

1) Importing files

```
In [1]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

Importing dataset

```
In [2]: dataset=pd.read_csv("datasets_indian_liver_patient.csv")
dataset
```

Out[2]:

	Age	Gender	Total_Bilirubin	Direct_Bilirubin	Alkaline_Phosphotase	Alamine_
0	65	Female	0.7	0.1	187	
1	62	Male	10.9	5.5	699	
2	62	Male	7.3	4.1	490	
3	58	Male	1.0	0.4	182	
4	72	Male	3.9	2.0	195	
...
578	60	Male	0.5	0.1	500	
579	40	Male	0.6	0.1	98	
580	52	Male	0.8	0.2	245	
581	31	Male	1.3	0.5	184	
582	38	Male	1.0	0.3	216	

Cheaking and filling Null values

```
In [3]: dataset.isnull().any()
```

```
Out[3]: Age                False
Gender                False
Total_Bilirubin       False
Direct_Bilirubin      False
Alkaline_Phosphotase  False
Alamine_Aminotransferase False
Aspartate_Aminotransferase False
Total_Protiens        False
Albumin               False
Albumin_and_Globulin_Ratio True
Dataset               False
dtype: bool
```