Team ID	PNT2022TMID15657
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning

Handling Missing values 3

In [341]:
```
data['Temp'].fillna(data['Temp'].mean(),inplace=True)
data['D.O. (mg/l)'].fillna(data['D.O. (mg/l)'].mean(),inplace=True)
data['PH'].fillna(data['PH'].mean(),inplace=True)
data['CONDUCTIVITY (µmhos/cm)'].fillna(data['CONDUCTIVITY (µmhos/cm)'].mean(),inplace=True)
data['B.O.D. (mg/l)'].fillna(data['B.O.D. (mg/l)'].mean(),inplace=True)
data['NITRATENAN N+ NITRITENANN (mg/l)'].fillna(data['NITRATENAN N+ NITRITENANN (mg/l)'].mean(),inplace=True)
data['TOTAL COLIFORM (MPN/100ml)Mean'].fillna(data['TOTAL COLIFORM (MPN/100ml)Mean'].mean(),inplace=True)
```

In [343]:
```
data.drop(['FECAL COLIFORM (MPN/100ml)'],axis=1,inplace=True)
```

In [344]:
```
data=data.rename(columns={'PH':'ph'})
data=data.rename(columns={'D.O. (mg/l)':'do'})
data=data.rename(columns={'CONDUCTIVITY (µmhos/cm)':'co'})
data=data.rename(columns={'B.O.D. (mg/l)':'bod'})
data=data.rename(columns={'NITRATENAN N+ NITRITENANN (mg/l)':'na'})
data=data.rename(columns={'TOTAL COLIFORM (MPN/100ml)Mean':'tc'})
data=data.rename(columns={'STATION CODE':'station'})
data=data.rename(columns={'LOCATIONS':'location'})
data=data.rename(columns={'STATE':'state'})
```