TEAM ID	PNT2022TMID11378
PROJECT NAME	Efficient Water Quality Analysis and Prediction using Machine Learning

Handling missing values 2:

```
In [10]: data.dtypes

Out[10]: STATION CODE                    object
         LOCATIONS                       object
         STATE                           object
         Temp                            object
         D.O. (mg/l)                     object
         PH                              object
         CONDUCTIVITY (µmhos/cm)         object
         B.O.D. (mg/l)                   object
         NITRATENAN N+ NITRITENANN (mg/l) object
         FECAL COLIFORM (MPN/100ml)      object
         TOTAL COLIFORM (MPN/100ml)Mean  object
         year                             int64
         dtype: object
```

```
In [18]: 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 [338]:
```
data.dtypes
```

Out[338]:
```
STATION CODE                        object
LOCATIONS                           object
STATE                               object
Temp                               float64
D.O. (mg/l)                        float64
PH                                 float64
CONDUCTIVITY (µmhos/cm)            float64
B.O.D. (mg/l)                      float64
NITRATENAN N+ NITRITENANN (mg/l)   float64
FECAL COLIFORM (MPN/100ml)          object
TOTAL COLIFORM (MPN/100ml)Mean     float64
year                                 int64
dtype: object
```

In [340]:
```
data.isnull().sum()
```

Out[340]:
```
STATION CODE                         0
LOCATIONS                            0
STATE                                0
Temp                                92
D.O. (mg/l)                         31
PH                                   8
CONDUCTIVITY (µmhos/cm)             25
B.O.D. (mg/l)                       43
NITRATENAN N+ NITRITENANN (mg/l)   225
FECAL COLIFORM (MPN/100ml)           0
TOTAL COLIFORM (MPN/100ml)Mean     132
year                                 0
dtype: int64
```