

```

    id      date    NH4  BSK5  Suspended    O2    NO3    NO2    SO4    PO4    CL
0   1  17.02.2000  0.330  2.77      12.0  12.30   9.50  0.057  154.0  0.454  289.5
1   1  11.05.2000  0.044  3.00      51.6  14.61  17.75  0.034  352.0  0.090  1792.0
2   1  11.09.2000  0.032  2.10      24.5   9.87  13.80  0.173  416.0  0.200  2509.0
3   1  13.12.2000  0.170  2.23      35.6  12.40  17.13  0.099  275.2  0.377  1264.0
4   1   02.03.2001  0.000  3.03      48.8  14.69  10.00  0.065  281.6  0.134  1462.0
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

    id      date    NH4  BSK5  Suspended    O2    NO3    NO2    SO4    PO4    CL
0   1  17.02.2000  0.330  2.77      12.0  12.30   9.50  0.057  154.0  0.454  289.5
1   1  11.05.2000  0.044  3.00      51.6  14.61  17.75  0.034  352.0  0.090  1792.0
2   1  11.09.2000  0.032  2.10      24.5   9.87  13.80  0.173  416.0  0.200  2509.0
3   1  13.12.2000  0.170  2.23      35.6  12.40  17.13  0.099  275.2  0.377  1264.0
4   1   02.03.2001  0.000  3.03      48.8  14.69  10.00  0.065  281.6  0.134  1462.0
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 2861 entries, 0 to 2860
Data columns (total 11 columns):
#   Column      Non-Null Count  Dtype
---  -
0   id           2861 non-null   int64
1   date         2861 non-null   object
2   NH4          2858 non-null   float64
3   BSK5         2860 non-null   float64
4   Suspended    2845 non-null   float64
5   O2           2858 non-null   float64
6   NO3          2860 non-null   float64
7   NO2          2858 non-null   float64
8   SO4          2812 non-null   float64
9   PO4          2833 non-null   float64
10  CL           2812 non-null   float64
dtypes: float64(9), int64(1), object(1)
memory usage: 246.0+ KB
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

(2861, 11)
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

	count	mean	std	min	25%	50%	75%	max
id	2861.0	12.397064	6.084226	1.00	8.0000	14.000	16.00000	22.000
NH4	2858.0	0.758734	2.486247	0.00	0.0800	0.220	0.50000	39.427
BSK5	2860.0	4.316182	2.973997	0.00	2.1600	3.800	5.80000	50.900
Suspended	2845.0	12.931905	16.543097	0.00	6.0000	10.000	15.00000	595.000
O2	2858.0	9.508902	4.428260	0.00	7.0925	8.995	11.52000	90.000
NO3	2860.0	4.316846	6.881188	0.00	1.3900	2.800	5.58250	133.400
NO2	2858.0	0.246128	2.182777	0.00	0.0300	0.059	0.12575	109.000
SO4	2812.0	59.362313	96.582641	0.00	27.0525	37.800	64.64000	3573.400
PO4	2833.0	0.418626	0.771326	0.00	0.1300	0.270	0.47000	13.879
CL	2812.0	93.731991	394.512184	0.02	26.8000	33.900	45.60750	5615.280

```

PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

id          0
date        0
NH4         3
BSK5        1
Suspended   16
O2          3
NO3         1
NO2         3
SO4         49
PO4         28
CL          49
dtype: int64
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

	id	date	NH4	BSK5	Suspended	O2	NO3	NO2	SO4	PO4	CL
0	1	2000-02-17	0.330	2.77	12.0	12.30	9.50	0.057	154.0	0.454	289.5
1	1	2000-05-11	0.044	3.00	51.6	14.61	17.75	0.034	352.0	0.090	1792.0
2	1	2000-09-11	0.032	2.10	24.5	9.87	13.80	0.173	416.0	0.200	2509.0
3	1	2000-12-13	0.170	2.23	35.6	12.40	17.13	0.099	275.2	0.377	1264.0
4	1	2001-03-02	0.000	3.03	48.8	14.69	10.00	0.065	281.6	0.134	1462.0

```

Data columns (total 11 columns):
#   Column          Non-Null Count  Dtype
---  -
0   id              2861 non-null   int64
1   date            2861 non-null   datetime64[ns]
2   NH4             2858 non-null   float64
3   BSK5            2860 non-null   float64
4   Suspended       2845 non-null   float64
5   O2              2858 non-null   float64
6   NO3             2860 non-null   float64
7   NO2             2858 non-null   float64
8   SO4             2812 non-null   float64
9   PO4             2833 non-null   float64
10  CL              2812 non-null   float64
dtypes: datetime64[ns](1), float64(9), int64(1)
memory usage: 246.0 KB
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

id      date      NH4  BSK5  Suspended    O2    NO3    NO2    SO4    PO4    CL
0  1  2000-02-17  0.330  2.77      12.0  12.30  9.50  0.057  154.0  0.454  289.5
1  1  2000-05-11  0.044  3.00      51.6  14.61  17.75  0.034  352.0  0.090  1792.0
2  1  2000-09-11  0.032  2.10      24.5   9.87  13.80  0.173  416.0  0.200  2509.0
3  1  2000-12-13  0.170  2.23      35.6  12.40  17.13  0.099  275.2  0.377  1264.0
4  1  2001-03-02  0.000  3.03      48.8  14.69  10.00  0.065  281.6  0.134  1462.0
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

id      date      NH4  BSK5  Suspended    O2    NO3    NO2    SO4    PO4    CL  year  month
0  1  2000-02-17  0.330  2.77      12.0  12.30  9.50  0.057  154.0  0.454  289.5  2000    2
1  1  2000-05-11  0.044  3.00      51.6  14.61  17.75  0.034  352.0  0.090  1792.0  2000    5
2  1  2000-09-11  0.032  2.10      24.5   9.87  13.80  0.173  416.0  0.200  2509.0  2000    9
3  1  2000-12-13  0.170  2.23      35.6  12.40  17.13  0.099  275.2  0.377  1264.0  2000   12
4  1  2001-03-02  0.000  3.03      48.8  14.69  10.00  0.065  281.6  0.134  1462.0  2001    3
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```

```

Index(['id', 'date', 'NH4', 'BSK5', 'Suspended', 'O2', 'NO3', 'NO2', 'SO4',
      'PO4', 'CL', 'year', 'month'],
      dtype='object')
PS C:\Users\Krisha\Desktop\New folder\Water_Quality_Prediction>

```