```
import pandas as pd
```

```
file=pd.read_csv('Data_set.csv')
```

```
print(file.head())
```

```
                  show_name      country  num_episodes             aired_on  \
0                       NaN  South Korea            16     Friday, Saturday
1                       NaN  South Korea            16     Friday, Saturday
2  Descendants of the Sun    South Korea            16  Wednesday, Thursday
3       Boys Over Flowers    South Korea            25      Monday, Tuesday
4                         W  South Korea            16  Wednesday, Thursday

  original_network  rating  current_overall_rank  lifetime_popularity_rank  \
0              tvN     8.9                  33.0                         1
1             jTBC     8.7                  89.0                         2
2             KBS2     8.7                  77.0                         3
3             KBS2     7.7                2249.0                         4
4              MBC     8.5                 201.0                         5

   watchers
0  111706.0
1  100950.0
2   96318.0
3   94228.0
4   92121.0
```

```
print(file.info())
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 100 entries, 0 to 99
Data columns (total 9 columns):
 #   Column                   Non-Null Count  Dtype
---  ------                   --------------  -----
 0   show_name                96 non-null     object
 1   country                  100 non-null    object
 2   num_episodes             100 non-null    int64
 3   aired_on                 99 non-null     object
 4   original_network         99 non-null     object
 5   rating                   96 non-null     float64
 6   current_overall_rank     97 non-null     float64
 7   lifetime_popularity_rank  100 non-null    int64
 8   watchers                 97 non-null     float64
dtypes: float64(3), int64(2), object(4)
memory usage: 7.2+ KB
None
```

```
print(file.shape)
```

```
(100, 9)
```

```
print(file.isnull())
```

```
    show_name  country  num_episodes  aired_on  original_network  rating  \
0        True    False         False     False             False   False
1        True    False         False     False             False   False
2       False    False         False     False             False   False
3       False    False         False     False             False   False
4       False    False         False     False             False   False
..        ...      ...           ...       ...               ...     ...
95      False    False         False     False             False   False
96      False    False         False     False             False   False
97      False    False         False     False             False   False
98      False    False         False     False             False   False
99      False    False         False     False             False   False

    current_overall_rank  lifetime_popularity_rank  watchers
0                  False                     False     False
1                  False                     False     False
2                  False                     False     False
3                  False                     False     False
4                  False                     False     False
..                   ...                       ...       ...
95                 False                     False     False
96                 False                     False     False
97                 False                     False      True
98                 False                     False     False
99                 False                     False     False

[100 rows x 9 columns]
```

```
print(file.isnull().sum())
```

```
show_name                  4
country                    0
num_episodes               0
aired_on                   1
original_network           1
rating                     4
current_overall_rank       3
lifetime_popularity_rank   0
watchers                   3
dtype: int64
```

```
file['country']=file['country'].fillna(file['country'].mode()[0])
```

```
file['show_name']=file['show_name'].fillna(file['show_name'].mode()[0])
```

```
file['aired_on']=file['aired_on'].fillna(file['aired_on'].mode()[0])
```

```
file['original_network']=file['original_network'].fillna(file['original_network'].mode()[0
```

```
file['rating']=file['rating'].fillna(file['rating'].mean())
```

```
file['current_overall_rank']=file['current_overall_rank'].fillna(file['current_overall_ran
```

```
file['watchers']=file['watchers'].fillna(file['watchers'].median())


print('-------------------MODIFIED DATA--------------------------------')
```

```
     -------------------MODIFIED DATA--------------------------------
```

```
print(file.isnull().sum())
```

```
     show_name                   0
     country                     0
     num_episodes                0
     aired_on                    0
     original_network            0
     rating                      0
     current_overall_rank        0
     lifetime_popularity_rank    0
     watchers                    0
     dtype: int64
```

✓ 0s completed at 7:30 PM