```
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

```
df = pd.read_csv('emp.csv')
```

```
df.head()
```

```
df.tail()
```

```
df.shape
```

```
(48, 8)
```

```
df.nunique()
```

```
df.isnull().sum()
```

```
df.describe()
```

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 48 entries, 0 to 47
Data columns (total 8 columns):
 #   Column        Non-Null Count  Dtype  
---  ------        --------------  -----  
 0   Emp_ID        46 non-null     float64
 1   Name          46 non-null     object 
 2   Age           43 non-null     float64
 3   Sal           41 non-null     float64
 4   Experience    45 non-null     float64
 5   Dept          44 non-null     object 
 6   Joining_Date  46 non-null     object 
 7   Per_score     44 non-null     float64
dtypes: float64(5), object(3)
memory usage: 3.1+ KB
```

```
df.shape
```

```
(48, 8)
```

```
df['Sal'].fillna(df['Sal'].mean(), inplace=True)

df['Experience'].fillna(df['Experience'].median(), inplace=True)

df['Per_score'].fillna(df['Per_score'].mode()[0], inplace=True)

df['Age'].fillna(df['Age'].median(), inplace=True)

df['Dept'].fillna(df['Dept'].mode()[0], inplace=True)

df
```

```
df['Joining_Date'] = pd.to_datetime(df['Joining_Date'], errors='coerce')
```

```
df.drop_duplicates(inplace=True)
df.head()
```

```
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
Index: 44 entries, 0 to 44
Data columns (total 8 columns):
 #   Column        Non-Null Count  Dtype
---  ------        --------------  -----
 0   Emp_ID        43 non-null     float64
 1   Name          43 non-null     object
 2   Age           44 non-null     float64
 3   Sal           44 non-null     float64
 4   Experience    44 non-null     float64
 5   Dept          44 non-null     object
 6   Joining_Date  43 non-null     datetime64[ns]
 7   Per_score     44 non-null     float64
dtypes: datetime64[ns](1), float64(5), object(2)
memory usage: 3.1+ KB
```