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In [2]: import pandas as pd
import sqlite3 as sql
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In [3]: df = pd.read_csv('IMDB_Movie_Data.csv')
```

```
In [4]: df.head()
```

Out[4]:

	Rank	Title	Genre	Description	Director	Actors	Year	Runtime (Minutes)	Rating	Votes	Revenue (Millions)	Metascore
0	1	Guardians of the Galaxy	Action,Adventure,Sci-Fi	A group of intergalactic criminals are forced ...	James Gunn	Chris Pratt, Vin Diesel, Bradley Cooper, Zoe S...	2014	121	8.1	757074	333.13	76.0
1	2	Prometheus	Adventure,Mystery,Sci-Fi	Following clues to the origin of mankind, a te...	Ridley Scott	Noomi Rapace, Logan Marshall-Green, Michael Fa...	2012	124	7.0	485820	126.46	65.0
2	3	Split	Horror,Thriller	Three girls are kidnapped by a man with a diag...	M. Night Shyamalan	James McAvoy, Anya Taylor-Joy, Haley Lu Richar...	2016	117	7.3	157606	138.12	62.0
3	4	Sing	Animation,Comedy,Family	In a city of humanoid animals, a hustling thea...	Christophe Lourdelet	Matthew McConaughey,Reese Witherspoon, Seth Ma...	2016	108	7.2	60545	270.32	59.0
4	5	Suicide Squad	Action,Adventure,Fantasy	A secret government agency recruits some of th...	David Ayer	Will Smith, Jared Leto, Margot Robbie, Viola D...	2016	123	6.2	393727	325.02	40.0

```
In [5]: df.isnull().sum()
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Out[5]:

Rank	0
Title	0
Genre	0
Description	0
Director	0
Actors	0
Year	0
Runtime (Minutes)	0
Rating	0
Votes	0
Revenue (Millions)	128
Metascore	64
dtype:	int64

```
In [6]: df.info()
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```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1000 entries, 0 to 999
Data columns (total 12 columns):
#   Column                Non-Null Count  Dtype
---  -
0   Rank                  1000 non-null  int64
1   Title                 1000 non-null  object
2   Genre                 1000 non-null  object
3   Description            1000 non-null  object
4   Director              1000 non-null  object
5   Actors                1000 non-null  object
6   Year                  1000 non-null  int64
7   Runtime (Minutes)     1000 non-null  int64
8   Rating                1000 non-null  float64
9   Votes                 1000 non-null  int64
10  Revenue (Millions)    872 non-null   float64
11  Metascore             936 non-null   float64
dtypes: float64(3), int64(4), object(5)
memory usage: 93.9+ KB
```

```
In [7]: df['Revenue (Millions)'] = df['Revenue (Millions)'].fillna(round(df['Revenue (Millions)'].mean(), 2))
df['Metascore'] = df['Metascore'].fillna(round(df['Metascore'].mean(), 2))
```

```
In [8]: df.isnull().sum()
```

```
Out[8]: Rank                0
Title                    0
Genre                   0
Description              0
Director                0
Actors                  0
Year                    0
Runtime (Minutes)       0
Rating                  0
Votes                   0
Revenue (Millions)      0
Metascore                0
dtype: int64
```

```
In [16]: conn = sql.connect('Project 12 (SQL).db')
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In [17]: df.to_sql('IMDB_Movie_Data', conn, if_exists='replace')
conn.close()
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In [ ]:
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In [ ]:
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