

SQL Assignment

In [18]:

```
import pandas as pd
import sqlite3
from IPython.display import display, HTML
```

In [19]: # Note that this is not the same DB we have used in course videos, please download from this link
https://drive.google.com/file/d/1D-1L0bWEX6G6nGZjS1M6rM-0mM/view?usp=sharing

In [20]: conn = sqlite3.connect('DB-PDB-Assignment.db')
c=conn.cursor()

Overview of all tables

In [21]: tables = pd.read_sql_query("SELECT NAME AS 'Table Name' FROM sqlite_master WHERE type='table';",conn)
tables = tables["Table Name"].values.tolist()

In [22]:

```
for table in tables:
    query = "PRAGMA TABLE_INFO('{}').format(table)"
    schema = pd.read_sql_query(query,conn)
    print("Schema of {}".format(table))
    display(schema)
    print("\n")
    print("\n")
```

Schema of Movie

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	sie	TEXT	0	None	0
3	3	year	TEXT	0	None	0
4	4	wpn	REAL	0	None	0
5	5	numVotes	INTEGER	0	None	0

Schema of Genre

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	Name	TEXT	0	None	0
2	2	GID	INTEGER	0	None	0

Schema of Language

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	Name	TEXT	0	None	0
2	2	LID	INTEGER	0	None	0

Schema of Country

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	Name	TEXT	0	None	0
2	2	CID	INTEGER	0	None	0

Schema of Location

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	Name	TEXT	0	None	0
2	2	LID	INTEGER	0	None	0

Schema of M_Location

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	LID	REAL	0	None	0
3	3	ID	INTEGER	0	None	0

Schema of M_Country

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	CID	REAL	0	None	0
3	3	ID	INTEGER	0	None	0

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3	3	ID	INTEGER	0	None	0

Schema of Person

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	PD	TEXT	0	None	0
2	2	Name	TEXT	0	None	0
3	3	Gender	TEXT	0	None	0

Schema of M_Producer

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	PD	TEXT	0	None	0
3	3	ID	INTEGER	0	None	0

Schema of M_Director

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	PD	TEXT	0	None	0
3	3	ID	INTEGER	0	None	0

Schema of M_Cast

cid	name	type	notnull	dflt_value	pk	
0	id	INTEGER	0	None	0	
1	1	MID	TEXT	0	None	0
2	2	PD	TEXT	0	None	0
3	3	ID	INTEGER	0	None	0

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cid	name	type	notnull	dflt_value	pk	
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