

## Instruction for Executing Queries on the Database:

The tables in IMDB00 and IMDB01 are slightly different from the ones mentioned in the original project description document. **Therefore, make sure to use the IMDB00 and IMDB01 schema prefixes while writing the table names in your queries.** It shouldn't impact any queries you've written already since the table structure for the relevant tables are the same, although the data itself is slightly different.

e.g.

Write this query:

```
SELECT * FROM IMDB01.TITLE_BASICS [with IMDB01 schema prefix]
```

Instead of

```
SELECT * FROM TITLE_BASICS [no schema prefix; don't use this!]
```

There are 7 tables each in the IMDB00 and IMDB01 schemas:

1. NAME\_BASICS
2. TITLE\_BASICS
3. TITLE\_AKAS
4. TITLE\_CREW
5. TITLE\_EPISODE
6. TITLE\_PRINCIPALS
7. TITLE\_RATINGS

Their details are as follows:

### 1. NAME\_BASICS table

```
SELECT COUNT(*) FROM IMDB01.NAME_BASICS;  
COUNT(*)  
11804374 (11.8 million records)
```

```
DESC IMDB01.NAME_BASICS;
```

Name	Null?	Type
NCONST	NOT NULL	VARCHAR2(10)
PRIMARYNAME		NVARCHAR2(1000)
BIRTHYEAR		VARCHAR2(10)

DEATHYEAR	VARCHAR2(10)
PRIMARYPROFESSION	NVARCHAR2(1000)
KNOWNFORTITLES	NVARCHAR2(1000)

## 2. TITLE\_BASICS table

```
SELECT COUNT(*) FROM IMDB01.TITLE_BASICS;
COUNT(*)
9099315 (9.09 million records)
```

```
DESC IMDB01.TITLE_BASICS;
```

Name	Null?	Type
TCONST	NOT NULL	VARCHAR2(10)
TITLETYPE		NVARCHAR2(1000)
PRIMARYTITLE		NVARCHAR2(1000)
ORIGINALTITLE		NVARCHAR2(1000)
ISADULT		VARCHAR2(10)
STARTYEAR		VARCHAR2(10)
ENDYEAR		VARCHAR2(10)
RUNTIMEMINUTES		VARCHAR2(20)
GENRES		NVARCHAR2(1000)

## 3. TITLE\_AKAS table

```
SELECT COUNT(*) FROM IMDB01.TITLE_AKAS;
COUNT(*)
32689621 (32.68 million records)
```

```
DESC IMDB01.TITLE_AKAS;
```

Name	Null?	Type
TITLEID	NOT NULL	VARCHAR2(10)
ORDERING		VARCHAR2(10)
TITLE		NVARCHAR2(1000)
REGION		NVARCHAR2(1000)
LANGUAGE		NVARCHAR2(1000)
TYPES		NVARCHAR2(1000)
ATTRIBUTES		NVARCHAR2(1000)
ISORIGINALTITLE		VARCHAR2(10)

#### 4. TITLE\_CREW table

```
SELECT COUNT(*) FROM IMDB01.TITLE_CREW;  
COUNT(*)  
9095643 (9.09 million records)
```

```
DESC IMDB01.TITLE_CREW;  
Name      Null?     Type
```

```
-----  
TCONST    NOT NULL VARCHAR2(10)  
DIRECTORS                NVARCHAR2(1000)  
WRITERS                  NVARCHAR2(1000)
```

#### 5. TITLE\_EPISODE table

```
SELECT COUNT(*) FROM IMDB01.TITLE_EPISODE;  
COUNT(*)  
6846726 (6.84 million records)
```

```
DESC IMDB01.TITLE_EPISODE;  
Name      Null?     Type
```

```
-----  
TCONST          NOT NULL VARCHAR2(10)  
PARENTTCONST    NOT NULL VARCHAR2(10)  
SEASONNUMBER    VARCHAR2(10)  
EPISODENUMBER   VARCHAR2(10)
```

#### 6. TITLE\_PRINCIPALS table

```
SELECT COUNT(*) FROM IMDB01.TITLE_PRINCIPALS;  
COUNT(*)  
51316529 (51.31 million records)
```

```
DESC IMDB01.TITLE_PRINCIPALS;  
Name      Null?     Type
```

```
-----  
TCONST    NOT NULL VARCHAR2(10)  
ORDERING                VARCHAR2(10)  
NCONST     NOT NULL VARCHAR2(10)  
CATEGORY                NVARCHAR2(1000)  
JOB                  NVARCHAR2(1000)  
CHARACTERS            NVARCHAR2(1000)
```

## 7. TITLE RATINGS table

```
SELECT COUNT(*) FROM IMDB01.TITLE RATINGS;  
COUNT(*)  
1254579 (1.25 million records)
```

```
DESC IMDB01.TITLE RATINGS;  
Name          Null?   Type  
-----  
TCONST        NOT NULL VARCHAR2(10)  
AVERAGERATING          NUMBER(5,2)  
NUMVOTES            NUMBER(15)
```

## Connecting to the Database on Omega through SQL Developer:

**Step 1:** Download and install sqldeveloper from the Oracle website. The link currently is <https://www.oracle.com/database/sqldeveloper/technologies/download/>

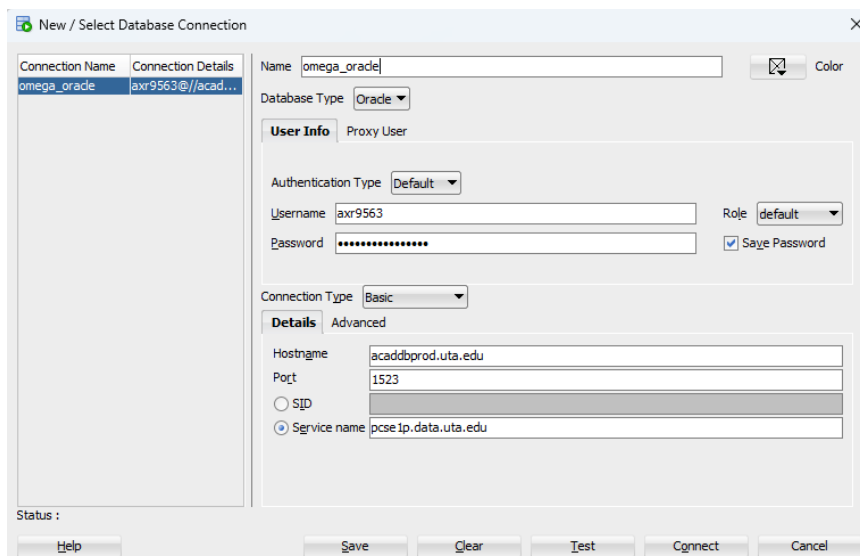
**Step 2:** Connect to the UTA VPN

**Step 3:** Set up a new connection with the below settings. Make sure to use your username and password. The name of the connection can be anything, but ensure that you have the correct hostname, port, and service name.

Hostname: acaddbprod.uta.edu

Port: 1523

Service name: pcse1p.data.uta.edu



**Step 4:** You will now be able to write and execute queries on the database.

## Important SQL Commands to Note:

### 1. SET ECHO ON

For printing the SQL query in your output.

### 2. SET FEEDBACK ON

For printing the number of rows fetched in your output.

### 3. SET TIMING ON

For printing the time required to execute the SQL query.

### 4. SPOOL

For saving the results and other information you instructed into an output file.

### Example .sql file: (Embedded in the document)



test01.sql

### The contents of the .sql file are below:

```
-- this will output sql query in output
SET ECHO ON

-- num of rows
SET FEEDBACK ON

-- time for each query
SET TIMING ON

-- this takes output file path as input parameter. You can set it as a specific
path instead of using input param
SPOOL &1

-- Query 1
SELECT
/*+
```

```
INDEX(tb SYS_C00948110)
*/
tb.tconst, tb.primarytitle, tb.titletype, tb.startyear, tb.genres
FROM
imdb01.TITLE_BASICS tb
WHERE
tb.titletype = 'movie'
AND tb.primarytitle = 'The Avengers';

-- Query 2
SELECT *
FROM imdb01.TITLE_BASICS tb
WHERE
tb.tconst = 'tt0848228';

SPOOL OFF
EXIT
```