IMDB Database:

For Oracle:

# VIEWS

1)Creating a view for Upcoming\_Movies

create view Upcoming\_Movies

As

select \* from "Movie" where to\_date("Movie"."ReleaseDate") > to\_date(Current\_Date);

2)Creating view “On\_Tonight” which displays all the details of episodes to be aired on TV tonight

create view On\_Tonight as

select "TVShows"."TVShowName","Season"."SeasonNumber","Episode"."EpisodeNumber","Episode"."EpsiodeName","Channel"."ChannelName","TimeSlots"."StartTime","TimeSlots"."EndTime" from "TimeSlots"

JOIN "Episode" on "Episode"."EpisodeId" = "TimeSlots"."EpisodeId"

JOIN "Season" on "Season"."SeasonId" = "Episode"."SeasonId"

JOIN "Channel" on "TimeSlots"."ChannelId" = "Channel"."ChannelId"

JOIN "TVShows" on "Season"."TVShowId" = "TVShows"."TVShowId"

where to\_date("TimeSlots"."Date")= to\_date(Current\_Date);

# PROCEDURES

1) **Procedure to display the TV Show details for a particular channel**

create or replace PROCEDURE TVCHANNELTIMESLOTS

(

CHANNELID IN NUMBER

)

AS

TVSHOWID NUMBER ;

TVSHOWNAME varchar(30);

SEASONID NUMBER;

EPISODEID NUMBER;

STARTTIME varCHAR(50);

CURSOR cursor1 IS

Select "TVShows"."TVShowId","TVShows"."TVShowName","Season"."SeasonId",

"Episode"."EpisodeId" ,

"TimeSlots"."StartTime"

FROM "TVShows" JOIN

"Season" ON "TVShows"."TVShowId" = "Season"."TVShowId" JOIN

"Episode" ON "Season"."SeasonId" = "Episode"."SeasonId" JOIN

"TimeSlots" ON "Episode"."EpisodeId" = "TimeSlots"."EpisodeId" where "TimeSlots"."ChannelId" =CHANNELID;

BEGIN

DBMS\_OUTPUT.put\_line('TVSHOWID | TVSHOWNAME | SEASONID | EPISODEID | STARTTIME ');

FOR TV IN cursor1

LOOP

TVSHOWID:= TV."TVShowId";

TVSHOWNAME:= TV."TVShowName";

SEASONID:= TV."SeasonId";

EPISODEID:= TV."EpisodeId";

STARTTIME:= TV."StartTime";

DBMS\_OUTPUT.put\_line(' '||TVSHOWID||' '||TVSHOWNAME||' '||SEASONID||' '||EPISODEID||' '||STARTTIME);

DBMS\_OUTPUT.PUT\_LINE

('===================================================================');

END LOOP;

END;

# FUNCTIONS

**1)** Function to get the list of Celebrities born on any given day

**Code:**

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CREATE OR REPLACE FUNCTION GET\_CELEBS\_BORN\_TODAY

(

INPUTDATE IN DATE

)

RETURN INTEGER

AS

CELEBRITYNAME VARCHAR2(30);

CELEBRITYDATEOFBIRTH Date;

BEGIN

select "Celebrity"."CelebrityName" into CELEBRITYNAME FROM "Celebrity" where extract(day from "Celebrity"."DateofBirth")=extract(day from Current\_Date) AND extract(month from "Celebrity"."DateofBirth")=extract(month from Current\_Date);

DBMS\_OUTPUT.put\_line(' '||CELEBRITYNAME||' '||CELEBRITYDATEOFBIRTH);

return 1;

END;

2) Function to Calculate Award Winning percentage for Movies, TV Shows, Celebrities, Writers and Directors

**Code:**

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create or replace FUNCTION GETPERCENTAGE

(

p\_Value1 IN VARCHAR2

, p\_ID IN NUMBER

) RETURN VARCHAR2 AS

v\_Count1 Number;v\_Count2 Number;v\_Percentage Binary\_double;

BEGIN

IF p\_Value1 = 'Movie'

THEN

Select COUNT("Nomination"."MOVIEID") INTO v\_Count1 from "Nomination" where "Nomination"."MOVIEID" =p\_ID And "Nomination"."Winner"=1;

Select COUNT("Nomination"."MOVIEID") INTO v\_Count2 from "Nomination" where "Nomination"."MOVIEID" =p\_ID;

if v\_Count2>0 then

v\_Percentage := (v\_Count1\*100)/v\_Count2;

else

v\_Percentage := 0;

END IF;

END IF;

IF p\_Value1 = 'TVShow'

THEN

Select COUNT("Nomination"."TVSHOWID") INTO v\_Count1 from "Nomination" where "Nomination"."TVSHOWID" =p\_ID And "Nomination"."Winner"=1;

Select COUNT("Nomination"."TVSHOWID") INTO v\_Count2 from "Nomination" where "Nomination"."TVSHOWID" =p\_ID;

if v\_Count2>0 then

v\_Percentage := (v\_Count1\*100)/v\_Count2;

else

v\_Percentage := 0;

END IF;

END IF;

IF p\_Value1 = 'Celebrity'

THEN

Select COUNT("Nomination"."CELEBRITYID") INTO v\_Count1 from "Nomination" where "Nomination"."CELEBRITYID" =p\_ID And "Nomination"."Winner"=1;

Select COUNT("Nomination"."CELEBRITYID") INTO v\_Count2 from "Nomination" where "Nomination"."CELEBRITYID" =p\_ID;

if v\_Count2>0 then

v\_Percentage := (v\_Count1\*100)/v\_Count2;

else

v\_Percentage := 0;

END IF;

END IF;

IF p\_Value1 = 'Director'

THEN

Select COUNT("Nomination"."DIRECTORID") INTO v\_Count1 from "Nomination" where "Nomination"."DIRECTORID" =p\_ID And "Nomination"."Winner"=1;

Select COUNT("Nomination"."DIRECTORID") INTO v\_Count2 from "Nomination" where "Nomination"."DIRECTORID" =p\_ID;

if v\_Count2>0 then

v\_Percentage := (v\_Count1\*100)/v\_Count2;

else

v\_Percentage := 0;

END IF;

END IF;

IF p\_Value1 = 'Writer'

THEN

Select COUNT("Nomination"."WRITERID") INTO v\_Count1 from "Nomination" where "Nomination"."WRITERID" =p\_ID And "Nomination"."Winner"=1;

Select COUNT("Nomination"."WRITERID") INTO v\_Count2 from "Nomination" where "Nomination"."WRITERID" =p\_ID;

if v\_Count2>0 then

v\_Percentage := (v\_Count1\*100)/v\_Count2;

else

v\_Percentage := 0;

END IF;

END IF;

SYS.DBMS\_OUTPUT.PUT\_LINE(TO\_CHAR(v\_Percentage, '9G999G999')||'%');

RETURN v\_Percentage;

END;

# TRIGGERS

1)

# QUERIES

**1) Displaying list of movies with their Genres and Count**

select Count(g."GenreId") GenreCount,COUNT(m."MovieId") MovieCount,m."MovieName", g."GenreName"

from "Genre" g join "Movie\_Genre\_BT" mg

on mg."GenreId"=g."GenreId" join "Movie" m

on m."MovieId"=mg."MovieId"

GROUP BY Cube(g."GenreName",m."MovieName");