```sql
create table Actor(
    act_id integer,
    act_name varchar(30),
    act_gender varchar(30),
    Primary key(act_id)
)

select * from Actor;
INSERT INTO Actor VALUES (301,'ANUSHKA','F');
INSERT INTO Actor VALUES (302,'PRABHAS','M');
INSERT INTO Actor VALUES (303,'PUNIT','M');
INSERT INTO Actor VALUES (304,'JERMY','M');

create table Director(
    dir_id integer,
    dir_name varchar(30),
    dir_phone varchar(10),
    Primary key(dir_id)
)

select * from Director;
INSERT INTO Director VALUES (60,'RAJAMOULI', '8751611001');
INSERT INTO Director VALUES (61,'HITCHCOCK', '7766138911');
INSERT INTO Director VALUES (62,'FARAN', '9986776531');
INSERT INTO Director VALUES (63,'STEVEN SPIELBERG', '8989776530');

create table Movie(
    mov_id integer,
    mov_title varchar(30),
    mov_year varchar(30),
    mov_lang varchar(30),
```

```sql
    dir_id integer,

    Primary key(mov_id),

    FOREIGN Key(dir_id) references Director(dir_id)
)


select * from Movie;

INSERT INTO Movie VALUES (1001,'BAHUBALI-2', '2017', 'TELAGU', 60);

INSERT INTO Movie VALUES (1002,'BAHUBALI-1', '2015', 'TELAGU', 60);

INSERT INTO Movie VALUES (1003,'AKASH', '2008', 'KANNADA', 61);

INSERT INTO Movie VALUES (1004,'WAR HORSE', '2011', 'ENGLISH', 63);


create table movieCast(

    act_id integer,

    mov_id integer,

    role varchar(30),

    FOREIGN Key(act_id) references Actor(act_id),

    FOREIGN Key(mov_id) references Movie(mov_id)
)


select * from movieCast;


INSERT INTO movieCast VALUES (301, 1002, 'HEROINE');

INSERT INTO movieCast VALUES (301, 1001, 'HEROINE');

INSERT INTO movieCast VALUES (303, 1003, 'HERO');

INSERT INTO movieCast VALUES (303, 1002, 'GUEST');

INSERT INTO movieCast VALUES (304, 1004, 'HERO');


create table Rating(

    mov_id integer,

    rev_stars integer,
```

```
    Foreign key(mov_id) references Movie(mov_id)
)
select * from Rating;


INSERT INTO Rating VALUES (1001, 4);

INSERT INTO Rating VALUES (1002, 2);

INSERT INTO Rating VALUES (1003, 5);

INSERT INTO Rating VALUES (1004, 4);


SELECT mov_title FROM Movie WHERE dir_id IN (SELECT dir_id FROM Director WHERE dir_name =
'HITCHCOCK');


SELECT mov_title FROM Movie M, movieCast MV WHERE M.mov_id=MV.mov_id AND act_id IN
(SELECT act_id FROM movieCast GROUP BY act_id HAVING COUNT (act_id)>1) GROUP BY mov_title
HAVING COUNT (*)>1;


SELECT act_name, mov_title , mov_year FROM Actor A JOIN movieCast C ON A.act_id=C.act_id JOIN
Movie M ON C.mov_id=M.mov_id WHERE M.mov_year NOT BETWEEN 2000 AND 2015;


SELECT mov_title, MAX(rev_stars)

FROM Movie INNER JOIN Rating USING (mov_id)

GROUP BY mov_title

HAVING MAX(rev_stars)>0

ORDER BY mov_title;


UPDATE Rating

SET rev_stars=5

WHERE mov_id IN (SELECT mov_id FROM Movie

WHERE dir_id IN (SELECT dir_id

FROM Director

WHERE dir_name = 'STEVEN

SPIELBERG'));
```

```
        act_gender varchar(30),
        Primary key(act_id)
)

select * from Actor;
INSERT INTO Actor VALUES (301,'ANUSHKA','F');
INSERT INTO Actor VALUES (302,'PRABHAS','M');
INSERT INTO Actor VALUES (303,'PUNIT','M');
INSERT INTO Actor VALUES (304,'JERMY','M');

create table Director(
        dir_id integer,
        dir_name varchar(30),
        dir_phone varchar(10),
```

Script Output | SQL | All Rows Fetched: 4 in 0.007 seconds

	ACT_ID	ACT_NAME	ACT_GENDER
1	301	ANUSHKA	F
2	302	PRABHAS	M
3	303	PUNIT	M
4	304	JERMY	M


```
        dir_id integer,
        dir_name varchar(30),
        dir_phone varchar(10),
        Primary key(dir_id)
)

select * from Director;
INSERT INTO Director VALUES (60,'RAJAMOULI', '8751611001');
INSERT INTO Director VALUES (61,'HITCHCOCK', '7766138911');
INSERT INTO Director VALUES (62,'FARAN', '9986776531');
INSERT INTO Director VALUES (63,'STEVEN SPIELBERG', '8989776530');

create table Movie(
        mov_id integer,
        mov_title varchar(30),
```

Script Output | Query Result | SQL | All Rows Fetched: 4 in 0.004 seconds

	DIR_ID	DIR_NAME	DIR_PHONE
1	60	RAJAMOULI	8751611001
2	61	HITCHCOCK	7766138911
3	62	FARAN	9986776531
4	63	STEVEN SPIELBERG	8989776530

Oracle SQL Developer : CSE — Screenshot 1

```
        dir_id integer,
        Primary key(mov_id),
        FOREIGN Key(dir_id) references Director(dir_id)
)

select * from Movie;
INSERT INTO Movie VALUES (1001,'BAHUBALI-2', '2017', 'TELAGU', 60);
INSERT INTO Movie VALUES (1002,'BAHUBALI-1', '2015', 'TELAGU', 60);
INSERT INTO Movie VALUES (1003,'AKASH', '2008', 'KANNADA', 61);
INSERT INTO Movie VALUES (1004,'WAR HORSE', '2011', 'ENGLISH', 63);

create table movieCast(
        act_id integer,
        mov_id integer,
```

Script Output — Query Result: All Rows Fetched: 4 in 0.003 seconds

	MOV_ID	MOV_TITLE	MOV_YEAR	MOV_LANG	DIR_ID
1	1001	BAHUBALI-2	2017	TELAGU	60
2	1002	BAHUBALI-1	2015	TELAGU	60
3	1003	AKASH	2008	KANNADA	61
4	1004	WAR HORSE	2011	ENGLISH	63

Oracle SQL Developer : CSE — Screenshot 2

```
INSERT INTO Movie VALUES (1003,'AKASH', '2008', 'KANNADA', 61);
INSERT INTO Movie VALUES (1004,'WAR HORSE', '2011', 'ENGLISH', 63);

create table movieCast(
        act_id integer,
        mov_id integer,
        role varchar(30),
        FOREIGN Key(act_id) references Actor(act_id),
        FOREIGN Key(mov_id) references Movie(mov_id)
)

select * from movieCast;

INSERT INTO movieCast VALUES (301, 1002, 'HEROINE');
INSERT INTO movieCast VALUES (301, 1001, 'HEROINE');
```

Script Output — Query Result: All Rows Fetched: 5 in 0 seconds

	ACT_ID	MOV_ID	ROLE
1	301	1002	HEROINE
2	301	1001	HEROINE
3	303	1003	HERO
4	303	1002	GUEST
5	304	1004	HERO

Oracle SQL Developer : CSE

```
INSERT INTO movieCast VALUES (303, 1002, 'GUEST');
INSERT INTO movieCast VALUES (304, 1004, 'HERO');

create table Rating(
    mov_id integer,
    rev_stars integer,
    Foreign key(mov_id) references Movie(mov_id)
)
select * from Rating;

INSERT INTO Rating VALUES (1001, 4);
INSERT INTO Rating VALUES (1002, 2);
INSERT INTO Rating VALUES (1003, 5);
```

CSE : select * from Rating

Script Output   SQL | All Rows Fetched: 4 in 0 seconds

	MOV_ID	REV_STARS
1	1001	4
2	1002	2
3	1003	5
4	1004	4

Line 65 Column 22 | Insert | Modified | Windows: CI

Oracle SQL Developer : CSE

```
create table Rating(
    mov_id integer,
    rev_stars integer,
    Foreign key(mov_id) references Movie(mov_id)
)
select * from Rating;

INSERT INTO Rating VALUES (1001, 4);
INSERT INTO Rating VALUES (1002, 2);
INSERT INTO Rating VALUES (1003, 5);
INSERT INTO Rating VALUES (1004, 4);

SELECT mov_title FROM Movie WHERE dir_id IN (SELECT dir_id FROM Director WHERE dir_name = 'HITCHCOCK');
```

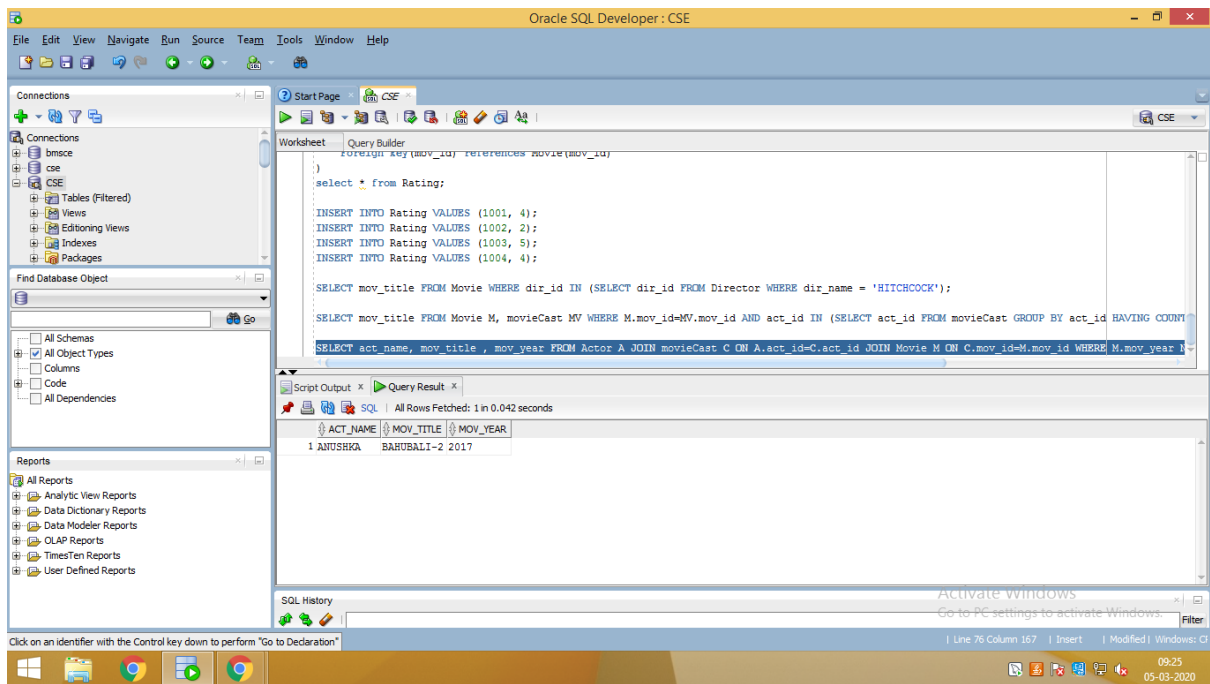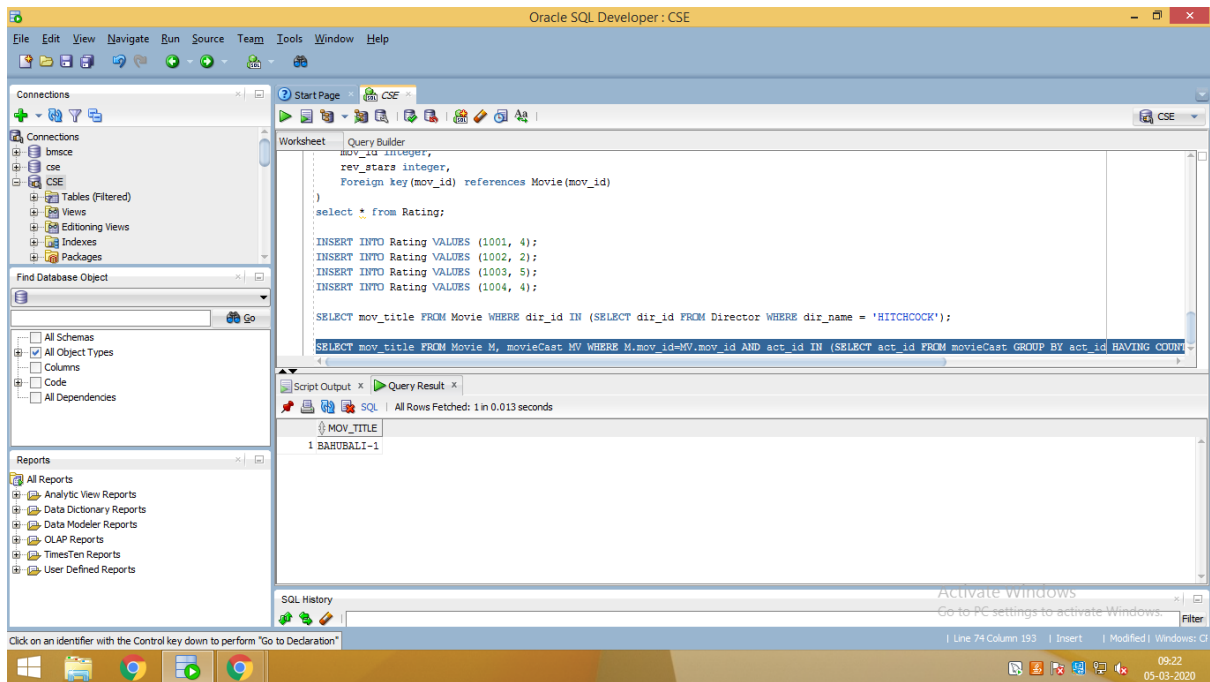Script Output   SQL | All Rows Fetched: 1 in 0.005 seconds

	MOV_TITLE
1	AKASH

Line 72 Column 104 | Insert | Modified | Windows: CI

Screenshot 1:

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse
- CSE
  - Tables (Filtered)
  - Views
  - Editioning Views
  - Indexes
  - Packages

Start Page CSE

Worksheet Query Builder

```sql
    mov_id integer,
    rev_stars integer,
    Foreign key(mov_id) references Movie(mov_id)
)
select * from Rating;

INSERT INTO Rating VALUES (1001, 4);
INSERT INTO Rating VALUES (1002, 2);
INSERT INTO Rating VALUES (1003, 5);
INSERT INTO Rating VALUES (1004, 4);

SELECT mov_title FROM Movie WHERE dir_id IN (SELECT dir_id FROM Director WHERE dir_name = 'HITCHCOCK');

SELECT mov_title FROM Movie M, movieCast MV WHERE M.mov_id=MV.mov_id AND act_id IN (SELECT act_id FROM movieCast GROUP BY act_id HAVING COUNT
```

Script Output | SQL | Query Result

All Rows Fetched: 1 in 0.013 seconds

MOV_TITLE
1 BAHUBALI-1

Find Database Object

- All Schemas
- All Object Types
- Columns
- Code
- All Dependencies

Reports

- All Reports
  - Analytic View Reports
  - Data Dictionary Reports
  - Data Modeler Reports
  - OLAP Reports
  - TimesTen Reports
  - User Defined Reports

SQL History

Click on an identifier with the Control key down to perform "Go to Declaration" | Line 74 Column 193 | Insert | Modified | Windows: CI

09:22 05-03-2020

Screenshot 2:

File Edit View Navigate Run Source Team Tools Window Help

Connections

- bmsce
- cse
- CSE
  - Tables (Filtered)
  - Views
  - Editioning Views
  - Indexes
  - Packages

Start Page CSE

Worksheet Query Builder

```sql
    foreign key(mov_id) references Movie(mov_id)
)
select * from Rating;

INSERT INTO Rating VALUES (1001, 4);
INSERT INTO Rating VALUES (1002, 2);
INSERT INTO Rating VALUES (1003, 5);
INSERT INTO Rating VALUES (1004, 4);

SELECT mov_title FROM Movie WHERE dir_id IN (SELECT dir_id FROM Director WHERE dir_name = 'HITCHCOCK');

SELECT mov_title FROM Movie M, movieCast MV WHERE M.mov_id=MV.mov_id AND act_id IN (SELECT act_id FROM movieCast GROUP BY act_id HAVING COUNT

SELECT act_name, mov_title , mov_year FROM Actor A JOIN movieCast C ON A.act_id=C.act_id JOIN Movie M ON C.mov_id=M.mov_id WHERE M.mov_year N
```

Script Output | Query Result | SQL

All Rows Fetched: 1 in 0.042 seconds

ACT_NAME	MOV_TITLE	MOV_YEAR
1 ANUSHKA	BAHUBALI-2	2017

Find Database Object

- All Schemas
- All Object Types
- Columns
- Code
- All Dependencies

Reports

- All Reports
  - Analytic View Reports
  - Data Dictionary Reports
  - Data Modeler Reports
  - OLAP Reports
  - TimesTen Reports
  - User Defined Reports

SQL History

Click on an identifier with the Control key down to perform "Go to Declaration" | Line 76 Column 167 | Insert | Modified | Windows: CI

09:25 05-03-2020

First screenshot — Worksheet contents:

```sql
SELECT act_name, mov_title , mov_year FROM Actor A JOIN movieCast C ON A.act_id=C.act_id JOIN Movie M ON C.mov_id=M.mov_id WHERE M.mov_year N

SELECT mov_title, MAX(rev_stars)
FROM Movie INNER JOIN Rating USING (mov_id)
GROUP BY mov_title
HAVING MAX(rev_stars)>0
ORDER BY mov_title;

UPDATE Rating
SET rev_stars=5
WHERE mov_id = (SELECT mov_id FROM Movie
WHERE dir_id = (SELECT dir_id
FROM Director
WHERE dir_name = 'STEVEN
```

Script Output / Query Result — All Rows Fetched: 4 in 0.001 seconds

	MOV_TITLE	MAX(REV_STARS)
1	AKASH	5
2	BAHUBALI-1	2
3	BAHUBALI-2	4
4	WAR HORSE	4

Line 82 Column 20

Second screenshot — Worksheet contents:

```sql
SELECT mov_title, MAX(rev_stars)
FROM Movie INNER JOIN Rating USING (mov_id)
GROUP BY mov_title
HAVING MAX(rev_stars)>0
ORDER BY mov_title;

UPDATE Rating
SET rev_stars=5
WHERE mov_id = (SELECT mov_id FROM Movie
WHERE dir_id = (SELECT dir_id
FROM Director
WHERE dir_name = 'STEVEN
SPIELBERG'));
```

Script Output / Query Result — All Rows Fetched: 4 in 0.001 seconds

	MOV_TITLE	MAX(REV_STARS)
1	AKASH	5
2	BAHUBALI-1	2
3	BAHUBALI-2	4
4	WAR HORSE	4

Line 84 Column 1