INF10025 Data Management and Analytics

Task 4 – Pass Submission

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Pass 4a

Paste your screen capture(s) for this task here.

CAMPAIGN (CampaignCode, CampaignTitle)

       Primary Key (CampaignCode)

PLAYER (Pid, PName, Gender, CampaignCode)

       Primary Key (Pid)

       Foreign Key (CampaignCode) references CAMPAIGN

Pass 4b

Paste your screen capture(s) for this task here.

```
Enter Statements:
CREATE TABLE Campaign2552 (
CampaignCode VARCHAR(50),
CampaignTitle VARCHAR(50),
PRIMARY KEY (CampaignCode)
);
CREATE TABLE Player2552 (
Pid VARCHAR(50),
PName VARCHAR(50),
Gender VARCHAR(10),
CampaignCode VARCHAR(50),
PRIMARY KEY (Pid),
FOREIGN KEY (CampaignCode) REFERENCES Campaign2552(CampaignCode)
);
SELECT * FROM Campaign2552
SELECT * FROM Player2552

Execute   Clear
```

Pass 4c

Paste your screen capture(s) for this task here.

Enter Statements:

```
INSERT INTO Campaign2552 (CampaignCode, CampaignTitle)
VALUES (1, 'Campaign One');
INSERT INTO Campaign2552 (CampaignCode, CampaignTitle)
VALUES (2, 'Campaign Two');
INSERT INTO Campaign2552 (CampaignCode, CampaignTitle)
VALUES (3, 'Campaign Three');

INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (21, 'Ali Aien', 'M', 2);
INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (22, 'Peter Ymer', 'M', 1);
INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (23, 'Sarah Rogers', 'F', 1);
INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (24, 'Sheelan Aien', 'F', 2);
INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (25, 'Nhat Minh Tran', 'M', 3);
INSERT INTO Player2552(Pid, PName, Gender, CampaignCode)
VALUES (26, 'Anlee Nguyen', 'F', 3);
```

[Execute] [Clear]

Pass 4d

Paste your screen capture(s) for this task here.

**SELECT COLUMN_NAME, NULLABLE,
DATA_TYPE FROM USER_TAB_COLS
WHERE TABLE_NAME =
'CAMPAIGN2552'**

COLUMN_NAME	NULLABLE	DATA_TYPE
CAMPAIGNCODE	N	VARCHAR2
CAMPAIGNTITLE	Y	VARCHAR2

OK. 2 rows selected.

2

SELECT * FROM Campaign2552

CAMPAIGNCODE	CAMPAIGNTITLE
1	Campaign One
2	Campaign Two
3	Campaign Three

OK. 3 rows selected.

SELECT COLUMN_NAME, NULLABLE, DATA_TYPE FROM USER_TAB_COLS WHERE TABLE_NAME = 'PLAYER2552'

COLUMN_NAME	NULLABLE	DATA_TYPE
PID	N	VARCHAR2
PNAME	Y	VARCHAR2
GENDER	Y	VARCHAR2
CAMPAIGNCODE	Y	VARCHAR2

OK. 4 rows selected.

SELECT * FROM PLAYER2552

PID	PNAME	GENDER	CAMPAIGNCODE
21	Ali Aien	M	2
22	Peter Ymer	M	1
23	Sarah Rogers	F	1
24	Sheelan Aien	F	2
25	Nhat Minh Tran	M	3
26	Anlee Nguyen	F	3

OK. 6 rows selected.

Pass 4e

Paste your screen capture(s) for this task here.

Enter Statements:

```
INSERT INTO Campaign2552 (CampaignCode, CampaignTitle)
VALUES (1, 'Campaign four');
```

Execute   Clear

```
INSERT INTO Campaign2552 (CampaignCode, CampaignTitle)
*
```

Error at line 1:
ORA-00001: unique constraint (S104082552.SYS_C001009842) violated

Answer: The statement fails because the CampaignCode = 1 is already assigned to 'Campaign One', violating the primary key constraint.

Enter Statements:

```
INSERT INTO Player2552 (Pid, PName, Gender, CampaignCode)
VALUES (27, 'Marcus Pontembelli', 'M', 4);
```

Execute | Clear

```
INSERT INTO Player2552 (Pid, PName, Gender, CampaignCode)
*

Error at line 1:
ORA-02291: integrity constraint (S104082552.SYS_C001009844) violated - parent key not found
```

Answer: The statement fails because the CampaignCode = 4 in the Player table does not exist in the Campaign table, violating the foreign key constraint.

Enter Statements:

```
DELETE FROM Campaign2552
WHERE CampaignTitle = 'Campaign Two'
```

Execute | Clear

```
DELETE FROM Campaign2552
*

Error at line 1:
ORA-02292: integrity constraint (S104082552.SYS_C001009844) violated - child record found
```

Answer: The statement fails because a child cannot become orphan, which is the parent-child rule. This rule prevents any child from being an orphan.

Pass 4f

Paste your screen capture(s) for this task here.

Enter Statements:

```
SELECT P.PName, C.CampaignTitle
FROM Player2552 P
INNER JOIN Campaign2552 C
ON P.CampaignCode = C.CampaignCode
```

[Execute] [Clear]

SELECT P.PName, C.CampaignTitle FROM Player2552 P INNER JOIN Campaign2552 C ON P.CampaignCode = C.CampaignCode

PNAME	CAMPAIGNTITLE
Ali Aien	Campaign Two
Peter Ymer	Campaign One
Sarah Rogers	Campaign One
Sheelan Aien	Campaign Two
Nhat Minh Tran	Campaign Three
Anlee Nguyen	Campaign Three

OK. 6 rows selected.

Pass 4g

Paste your screen capture(s) for this task here.

Enter Statements:
```
SELECT COUNT(*) AS Number_of_Row
FROM Player2552
```

Execute   Clear

SELECT COUNT(*)
AS
Number_of_Row
FROM Player2552

NUMBER_OF_ROW
6

OK. 1 rows selected.

Enter Statements:
```
SELECT campaignCode, COUNT(*) AS Number_of_Row
FROM Player2552
GROUP BY CampaignCode
```

Execute   Clear

SELECT campaignCode, COUNT(*)
AS Number_of_Row FROM
Player2552 GROUP BY
CampaignCode

CAMPAIGNCODE	NUMBER_OF_ROW
1	2
3	2
2	2

OK. 3 rows selected.

Pass 4h

Paste your screen capture(s) for this task here.

All Access Objects

Search...

Tables

- ACTOR2552
- CASTING2552
- COLOURTYPE2552
- MOVIE2552
- RATING2552

Query1

```
SELECT BirthCountry, COUNT(*) AS TotalRow
FROM ACTOR2552
GROUP BY BirthCountry
```

Query1

BirthCountry	TotalRow
Australia	3
Belgium	1
Benin	1
Brazil	1
Canada	23
China	1
Colombia	1
Croatia	1
Cuba	1
Denmark	1

Pass 4i

Paste your screen capture(s) for this task here.
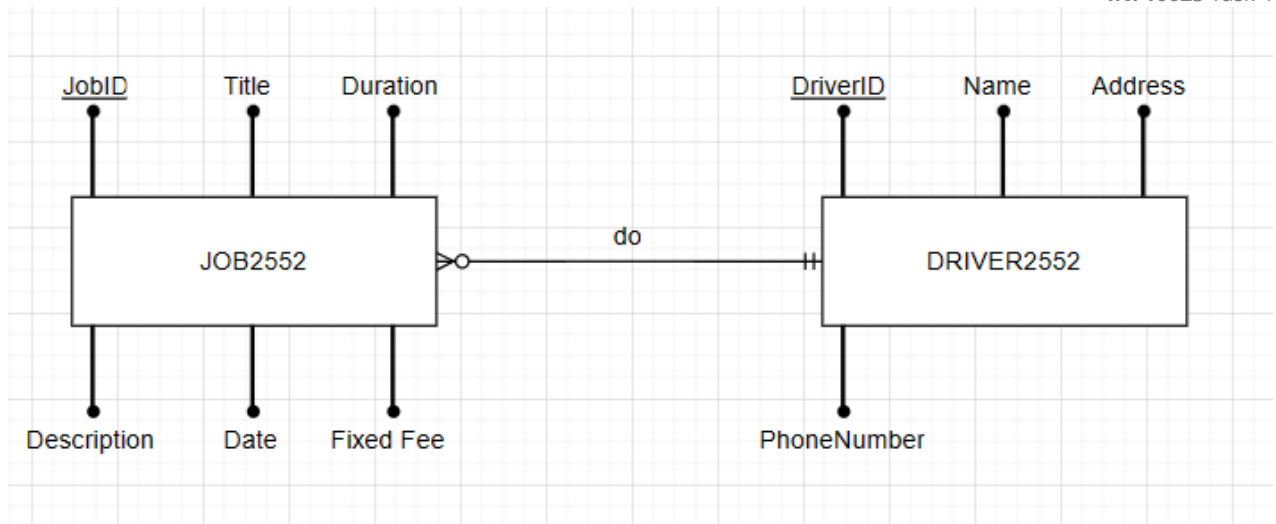
T4H **T4i**

```
SELECT *
FROM Movie2552
WHERE runtime Between 90 AND 120
AND rating IN ('PG','M')
ORDER BY title;
```

T4H **T4i**

MOVIENO	TITLE	RELYEAR	RUNTIME	RATINGCODE	COLOUR	TMDB_SCORE	TMDB_VOTES	IMDB_ID
1824	50 First Dates	2004	99	M	C	6.7	3714	tt0343660
245	About a Boy	2002	101	M	C	6.6	1084	tt0276751
16614	Adventureland	2009	107	M	C	6.4	1174	tt1091722
241259	Alice Through the Looking Glass	2016	117	PG	C	6.2	241	tt2567026
8699	Anchorman: The Legend of Ron Burgundy	2004	95	M	C	6.8	2214	tt0357413
68734	Argo	2012	120	M	C	7.2	4842	tt1024648
818	Austin Powers in Goldmember	2002	94	M	C	5.9	1604	tt0295178
816	Austin Powers: International Man of Mystery	1997	94	M	C	6.5	1613	tt0118655
817	Austin Powers: The Spy Who Shagged Me	1999	95	M	C	6.2	1650	tt0145660
339403	Baby Driver	2017	112	M	C	7.4	7264	tt3890160

Pass 4j

Paste your screen capture(s) for this task here.

Relational Schema

Driver2552 (DriverID, Name, Address, PhoneNumber)

    PK (DriverID)

Job2552 (JobID, Title, Duration, Fixed Fee, Date, Description)

    PK (JobID)

    Foreign Key (DriverID) References Driver2552
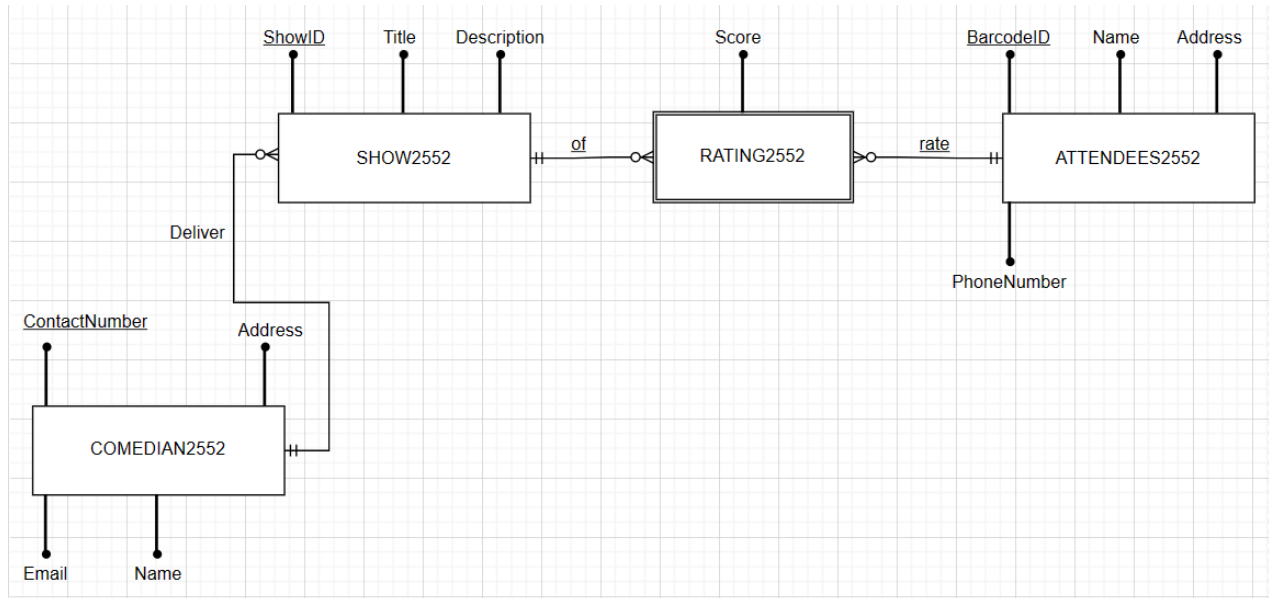
Test Data for Driver2552

DriverID	Name	Address	PhoneNumber
1	Nhat Minh	15 HucksonSt	012345678
2	Anlee Nguyen	16 HucksonSt	011223344

Test Data for Job2552

JobID	Title	Duration	Fixed Fee	Date	Description	DriverID
#20	Uber Eat	4	130	13/04/2024	Delivery food	1
#40	DoorDash Delivery	6	190	12/05/2024	Pickup from restaurants	2

Pass 4k

Paste your screen capture(s) for this task here.

Relational Schema

COMEDIAN2552 (ContactNumber, Name, Email, Address)

      Primary Key (ContactNumber)

SHOW2552 (ShowID, Title, Description,ContactNumber)

      Primary Key (ShowID)

      Foreign Key (ContactNumber) references COMEDIAN2552

ATTENDEES2552 (BarcodeID, Name, Address, PhoneNumber)

      Primary Key (BarcodeID)

RATING2552 (ShowID, BarcodeID, Score)

      Primary Key (ShowID,BarcodeID)

      Foreign Key (ShowID) references SHOW2552

      Foreign Key (BarcodeID) references ATTENDEES2552

Test Data for Comedian2552

ContactNumber	Name	Email	Address
0123544675	Henry	henry@comedian.com	123 QueenSt
0955848336	Simon	Simon@comdedian.com	456 MelbSt

Test Data for Show2552

ShowID	Title	Description	ContactNumber
1	TalkShow Comedy	TalkShow with everyone	0123544675

2	The Laugher	Show makes people laugh	0955848336

Test Data for Attendees2552

BarcodeID	Name	Address	PhoneNumber
101	Nhat Minh	23 Nghe Tinh	0103486004
102	Anlee Nguyen	29A Bo Ke	0684003882

Test Data for Rating2552

ShowID	BarcodeID	Score
1	101	6
2	102	7