

# INF10002 Database Analysis and Design

## Task 4 – Pass Submission

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### Step 1

CAMPAIGN (CampaignCode, CampaignTitle)

Primary key (CampaignCode)

PLAYER (Pid, PName, Gender, CampaignCode)

Primary key (Pid)

Foreign key (CampaignCode) references CAMPAIGN

## Step 2

```
CREATE TABLE CAMPAIGN (  
    CAMPAIGNCODE NUMERIC PRIMARY KEY,  
    CAMPAIGNTITLE VARCHAR(30)  
);  
  
CREATE TABLE PLAYER (  
    PID NUMERIC PRIMARY KEY,  
    PNAME VARCHAR(30),  
    GENDER VARCHAR(1),  
    CAMPAIGNCODE NUMERIC,  
    FOREIGN KEY (CAMPAIGNCODE) REFERENCES CAMPAIGN  
);
```

### Step 3

```
INSERT INTO CAMPAIGN (CAMPAIGNCODE, CAMPAIGNTITLE)
```

```
VALUES (1, 'Campaign One');
```

```
INSERT INTO CAMPAIGN (CAMPAIGNCODE, CAMPAIGNTITLE)
```

```
VALUES (2, 'Campaign Two');
```

```
INSERT INTO CAMPAIGN (CAMPAIGNCODE, CAMPAIGNTITLE)
```

```
VALUES (3, 'Campaign Three');
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (21, 'Ali Aien', 'M', 2);
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (22, 'Peter Ymer', 'M', 1);
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (23, 'Sarah Rogers', 'F', 1);
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (24, 'Sheelan Aien', 'F', 2);
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (25, 'Luong Trac Duc Anh', 'M', 3);
```

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

```
VALUES (26, 'Pham Chau Giang', 'F', 3);
```

## Step 4

**SELECT COLUMN\_NAME, NULLABLE, DATA\_TYPE FROM USER\_TAB\_COLS WHERE TABLE\_NAME = 'CAMPAIGN'**

COLUMN_NAME	NULLABLE	DATA_TYPE
CAMPAIGNCODE	N	NUMBER
CAMPAIGNTITLE	Y	VARCHAR2

OK. 2 rows selected.

**select \*from campaign**

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 = 'PLAYER'**

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

OK. 4 rows selected.

**select \*from player**

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	Luong Trac Duc Anh	M	3
26	Pham Chau Giang	F	3

OK. 6 rows selected.

## Step 5

Enter Statements:

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
VALUES (26, 'Marcus Bontempelli', 'M', 4)
```

Execute

Clear

```
INSERT INTO PLAYER (PID, PNAME, GENDER, CAMPAIGNCODE)
```

\*

Error at line 1:

ORA-00001: unique constraint (S103488117.SYS\_C00751709) violated

Enter Statements:

```
DELETE FROM CAMPAIGN WHERE CAMPAIGNCODE = 2;
```

Execute

Clear

```
DELETE FROM CAMPAIGN WHERE CAMPAIGNCODE = 2
```

\*

Error at line 1:

ORA-02292: integrity constraint (S103488117.SYS\_C00751710) violated - child record found

## Step 6

Enter Statements:

```
SELECT PLAYER.PNAME, CAMPAIGN.CAMPAIGNTITLE  
FROM PLAYER  
INNER JOIN CAMPAIGN  
ON PLAYER.CAMPAIGNCODE = CAMPAIGN.CAMPAIGNCODE;
```

Execute

Clear

PNAME	CAMPAIGNTITLE
Ali Aien	Campaign Two
Peter Ymer	Campaign One
Sarah Rogers	Campaign One
Sheelan Aien	Campaign Two
Luong Trac Duc Anh	Campaign Three
Pham Chau Giang	Campaign Three

## Step 7

Enter Statements:

```
SELECT COUNT(*)  
FROM PLAYER;
```

Execute Clear

**SELECT COUNT(\*) FROM PLAYER**

COUNT(*)
----------

6
---

OK. 1 rows selected.

Enter Statements:

```
SELECT CAMPAIGNCODE,  
COUNT(*)  
FROM PLAYER  
GROUP BY CAMPAIGNCODE;
```

Execute Clear

**SELECT CAMPAIGNCODE, COUNT(\*) FROM PLAYER GROUP BY CAMPAIGNCODE**

CAMPAIGNCODE	COUNT(*)
1	2
2	2
3	2

OK. 3 rows selected.

## Step 8

STEP_8	
SELECT BirthCountry, Count(*) FROM ACTOR8117 GROUP BY BirthCountry;	
STEP_8	
BirthCountry	Expr1001
Australia	3
Belgium	1
Benin	1
Brazil	1
Canada	23
China	1
Colombia	1
Croatia	1
Cuba	1
Denmark	1



## Step 9

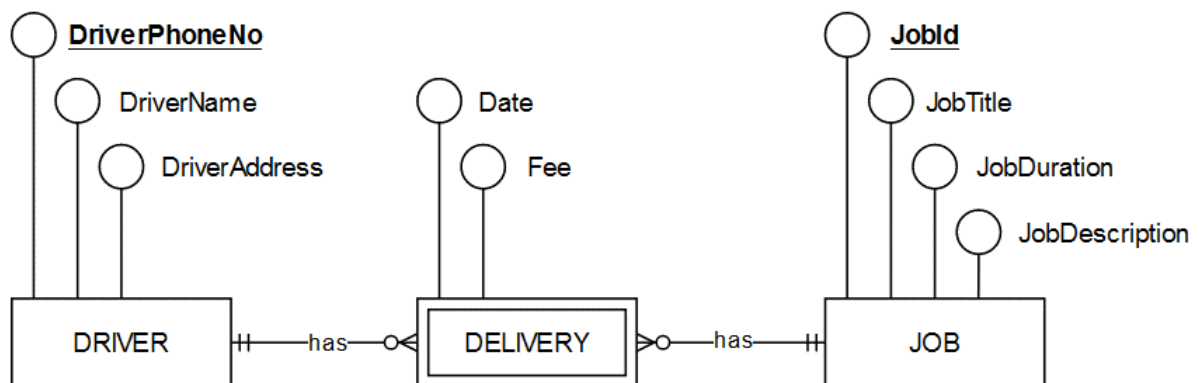
**STEP\_9**
×

SELECT MOVIE8117, TITLE, RELYEAR, RUNTIME  
FROM MOVIE8117  
WHERE RELYEAR >= 1994 AND RELYEAR <=2003 AND RATINGCODE = 'PG'  
ORDER BY TITLE;

Field:	MOVIE8117	TITLE	RELYEAR	RUNTIME	[RELYEAR]	[RATINGCODE]
Table:	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117	MOVIE8117
Sort:		Ascending				
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:					>=1994 And <=2003	'PG'
or:						

**STEP\_9**
×

MOVIE8117	TITLE	RELYEAR	RUNTIME
568	Apollo 13	1995	140
4327	Charlie's Angels	2000	98
9471	Charlie's Angels: Full Throttle	2003	106
8467	Dumb and Dumber	1994	107
8818	Evita	1996	134
13	Forrest Gump	1994	142
10330	Freaky Friday	2003	97
672	Harry Potter and the Chamber of Secrets	2002	161
671	Harry Potter and the Philosopher's Stone	2001	152
9486	Johnny English	2003	88

**10.2****10.3**

DRIVER (DriverPhoneNo, DriverName, DriverAddress)

Primary key (DriverPhoneNo)

DELIVERY (Date, Fee, DriverPhoneNo, JobId)

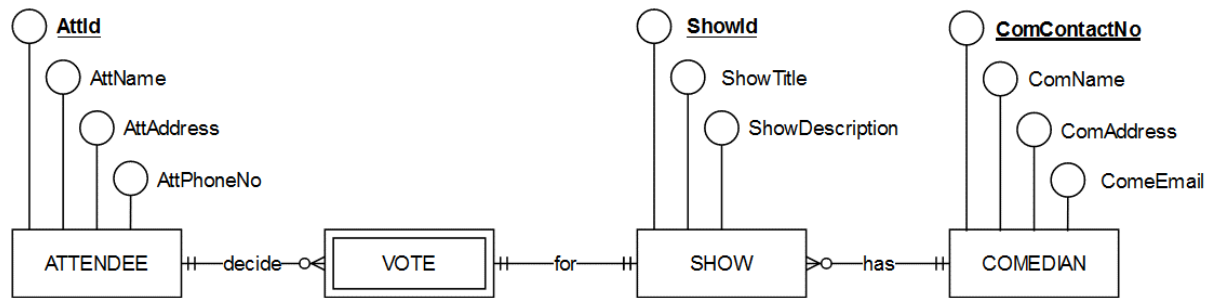
Primary key (DriverPhoneNo, JobId)

Foreign key (DriverPhoneNo) references DRIVER

Foreign key (JobId) references JOB

JOB (JobId, JobTitle, JobDuration, JobDescription)

Primary key (JobId)

**11.2****11.4**

SHOW (ShowId, ShowTitle, ShowDescription)

Primary key (ShowId)

COMEDIAN (ComContactNo, ComName, ComAddress, ComEmail)

Primary key (ComContactNo)

ATTENDEE (AttId, AttName, AttAddress, AttPhoneNo)

Primary key (AttId)

VOTE (AttId, ShowId)

Primary key (AttId, ShowId)

Foreign key (AttId) references ATTENDEE

Foreign key (ShowId) references SHOW