



Database Analysis & Design INF10002

Task 4 – Pass Submission

Student Number: 103181157

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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.

```
CREATE TABLE CAMPAIGN1157 (  
  CAMPAIGNCODE INT NOT NULL,  
  CAMPAIGNTITLE VARCHAR(50),  
  PRIMARY KEY (CAMPAIGNCODE)  
);
```

```
CREATE TABLE PLAYER1157 (  
  PID INT NOT NULL,  
  PNAME VARCHAR(50),  
  GENDER VARCHAR(2),  
  CAMPAIGNCODE INT,  
  FOREIGN KEY (CAMPAIGNCODE) REFERENCES  
  CAMPAIGN1157(CAMPAIGNCODE)  
);
```

Enter Statements:

```
ALTER TABLE PLAYER1157  
ADD PRIMARY KEY (PID)
```

(I forgot to add primary key for the player table in the first time so I had to do this query)

Pass 4c

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

```
INSERT INTO CAMPAIGN1157  
VALUES (1,'Campaign One');  
INSERT INTO CAMPAIGN1157  
VALUES (2,'Campaign Two');  
INSERT INTO CAMPAIGN1157  
VALUES (3,'Campaign Three');
```

```
INSERT INTO PLAYER1157 VALUES  
(21, 'Ali Aien','M',2);  
INSERT INTO PLAYER1157 VALUES  
(22, 'Peter Ymer','M',1);  
INSERT INTO PLAYER1157 VALUES  
(23, 'Sarah Rogers','F',1);  
INSERT INTO PLAYER1157 VALUES  
(24, 'Sheelan Aien','F',2);  
INSERT INTO PLAYER1157 VALUES  
(25, 'Nguyen Nam Tung','M',3);  
INSERT INTO PLAYER1157 VALUES  
(26, 'Nguyen Dang Khanh Toan','M',3);
```

Pass 4d

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

SELECT * FROM CAMPAIGN1157

CAMPAIGNCODE	CAMPAIGNTITLE
1	Campaign One
2	Campaign Two
3	Campaign Three

OK. 3 rows selected.

SELECT * FROM PLAYER1157

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	Nguyen Nam Tung	M	3
26	Nguyen Dang Khanh Toan	M	3

Pass 4e

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

Enter Statements:

INSERT INTO CAMPAIGN1157 VALUES (1, 'Campaign Four');

Execute

Clear

```
INSERT INTO CAMPAIGN1157 VALUES (1, 'Campaign Four')
```

*

Error at line 1:

ORA-00001: unique constraint (S103181157.SYS_C00900987) violated

The query fails because primary key for each record is unique, 1 has existed, so there cannot be 1 again.

Enter Statements:

```
INSERT INTO PLAYER1157 VALUES (27, 'Marcus Pontembelli', 'M', 4);
```

Execute

Clear

```
INSERT INTO PLAYER1157 VALUES (27, 'Marcus Pontembelli', 'M', 4)
```

*

Error at line 1:

ORA-02291: integrity constraint (S103181157.SYS_C00900989) violated - parent key not found

The query fails because foreign key of the player table is the primary key of the campaign table, but there is no primary key for 4, so this foreign key cannot exist.

Enter Statements:

```
DELETE FROM CAMPAIGN1157  
WHERE UPPER(CAMPAIGNTITLE) = 'CAMPAIGN TWO';
```

Execute

Clear

```
DELETE FROM CAMPAIGN1157
```

★

Error at line 1:

ORA-02292: integrity constraint (S103181157.SYS_C00900989) violated - child record found

The query fails because I try to delete a record in the campaign table with the primary key campaign code is referenced to the foreign key of the player table. The records using the foreign key exist, so it can be deleted.

Pass 4f

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

Enter Statements:	<pre>SELECT PLAYER1157.PNAME, CAMPAIGN1157.CAMPAIGNTITLE FROM PLAYER1157 INNER JOIN CAMPAIGN1157 ON PLAYER1157.CAMPAIGNCODE = CAMPAIGN1157.CAMPAIGNCODE</pre>
<input type="button" value="Execute"/> <input type="button" value="Clear"/>	

```
SELECT PLAYER1157.PNAME,
CAMPAIGN1157.CAMPAIGNTITLE FROM
PLAYER1157 INNER JOIN CAMPAIGN1157
ON PLAYER1157.CAMPAIGNCODE =
CAMPAIGN1157.CAMPAIGNCODE
```

PNAME	CAMPAIGNTITLE
Ali Aien	Campaign Two
Peter Ymer	Campaign One
Sarah Rogers	Campaign One
Sheelan Aien	Campaign Two
Nguyen Nam Tung	Campaign Three
Nguyen Dang Khanh Toan	Campaign Three

OK. 6 rows selected.

Pass 4g

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

Enter Statements:

```
SELECT COUNT(*)  
FROM PLAYER1157
```

Execute

Clear

```
SELECT  
COUNT(*)  
FROM  
PLAYER1157  
COUNT(*)  
6
```

OK. 1 rows selected.

Enter Statements:

```
SELECT CAMPAIGNCODE, COUNT(*)  
FROM PLAYER1157  
GROUP BY CAMPAIGNCODE
```

Execute





Clear





```
SELECT CAMPAIGNCODE,
COUNT(*) FROM
PLAYER1157 GROUP BY
CAMPAIGNCODE
```

CAMPAIGNCODE	COUNT(*)
1	2
2	2
3	2

Pass 4h





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

 ACTOR1157		 SQL	
<pre>SELECT BIRTHCOUNTRY, COUNT(BIRTHCOUNTRY) AS TOTAL FROM ACTOR1157 GROUP BY BIRTHCOUNTRY</pre>			

 ACTOR1157		 SQL	
BIRTHCOUNTRY	TOTAL		
Australia	3		
Belgium	1		
Benin	1		
Brazil	1		
Canada	23		
China	1		
Colombia	1		
Croatia	1		
Cuba	1		
Denmark	1		

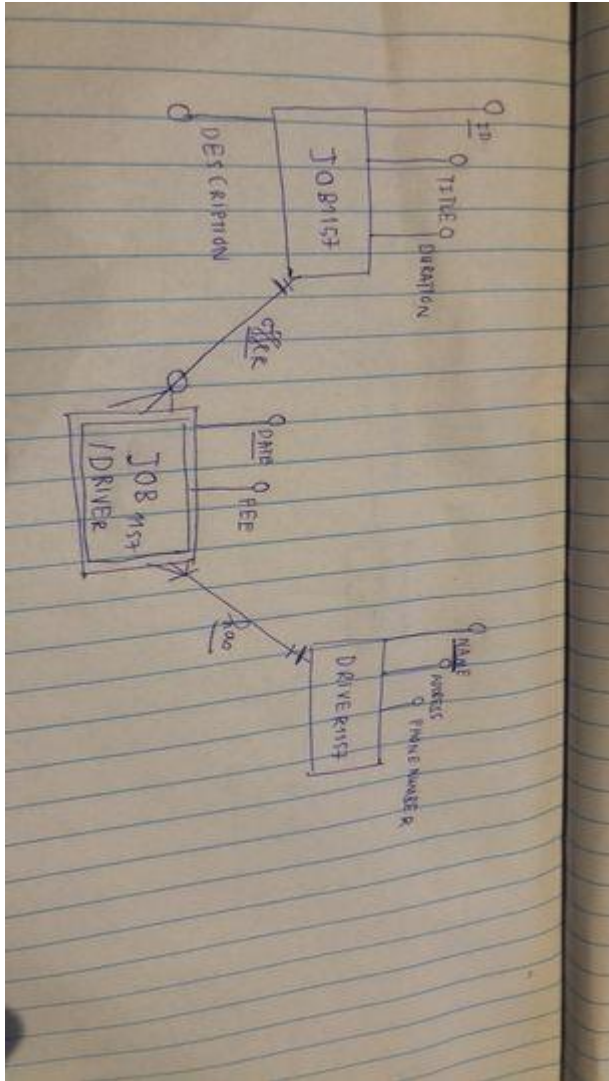
Pass 4i

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

 SQL		 MOVIE1157	
<pre>SELECT MOVIEENO, TITLE, RELEASYEAR, RUNTIME, RATINGCODE FROM MOVIE1157 WHERE RUNTIME < 140 AND RATINGCODE IN ('M', 'PG') ORDER BY TITLE</pre>			

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

8



Relational Schema + Test Data

JOB157(JOBID, TITLE, DURATION, DESCRIPTION)

PK (JOBID)

JOBID	TITLE	DURATION	DESCRIPTION
#47	Part-time	1 hour	This delivery job is suitable for applicants living in CBD No experience required
#48	Full-time	2 hours	3-year truck driving experience required

DRIVER157(NAME, ADDRESS, PHONENUMBER)

PK (PHONENUMBER)

NAME	ADDRESS	PHONENUMBER
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Tung Nguyen Nam	1 Elizabeth Street, Melbourne VIC 3000	0313133232
Betty Baker	132 Collins Street, Melbourne VIC 3000	093280434

JOB/DRIVER1157(PHONENUMBER, JOBID, DATE, FEE)

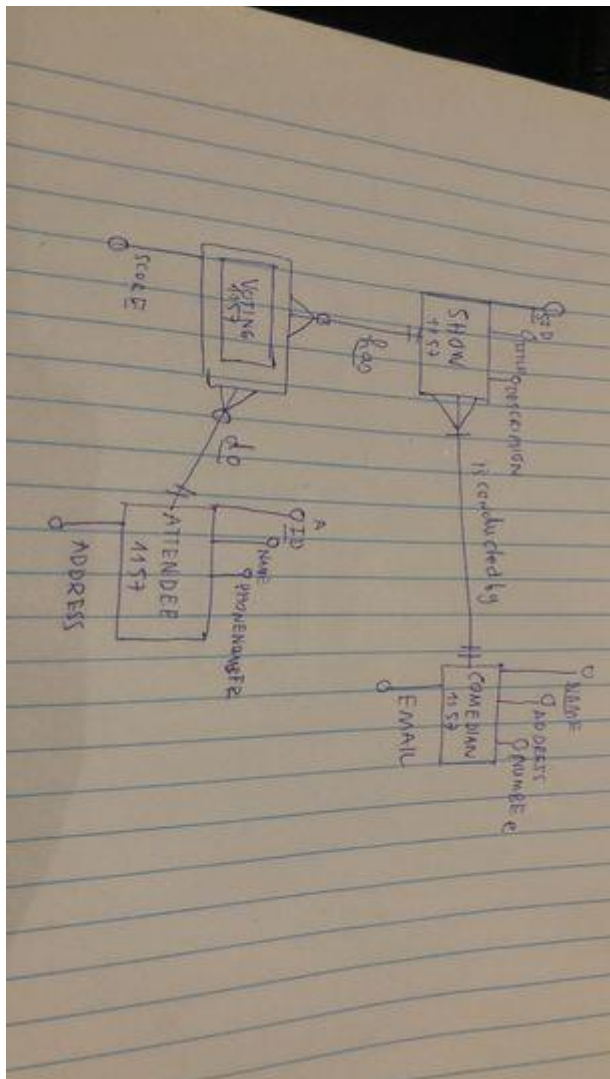
PK (PHONENUMBER, JOBID, DATE)

FK (PHONENUMBER, JOBID) REFERENCES DRIVER1157, JOB1157

PHONENUMBER	JOBID	DATE	FEE
0313133232	#47	04/12/2022	\$50
093280434	#48	12/12/2022	\$60

Pass 4k

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



Relational Schema + Test Data

SHOW1157(SID, TITLE, DESCRIPTION, NAME)

PK(SID)

FK(PHONENUMBER) REFERENCE COMEDIAN1157

SID	TITLE	DESCRIPTION	PHONENUMBER
123	Disappearing in the air!	This show is a recreation of the 1990 show	043434434
124	Hello world	This show offers a lot of valuable prizes	0433434222

COMEDIAN1157(NAME, ADDRESS, PHONENUMBER, EMAIL)

PK(PHONENUMBER)

NAME	ADDRESS	PHONENUMBER	EMAIL
Tung Nguyen	12 Collin Street, Melbourne CBD	043434434	gungwre123@gmail.com
Louis Vuitton	24 Wakefield Street, Hawthorn	0433434222	Fdfefeff323@gmail.com

ATTENDEE1157(AID, NAME, PHONENUMBER, ADDRESS)

PK(AID)

AID	NAME	PHONENUMBER	ADDRESS
1	Ngoc Tam	03248320483	33 Mackenzie Street, Melbourne CBD
2	Que Anh	0424242443	26 Swanston Street, Melbourne CBD

VOTING1157(SID, AID, SCORE)

PK (SID, AID)

FK (SID, AID) REFERENCE SHOW1157, ATTENDEE1157

SID	AID	SCORE
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123	1	10
124	1	9
