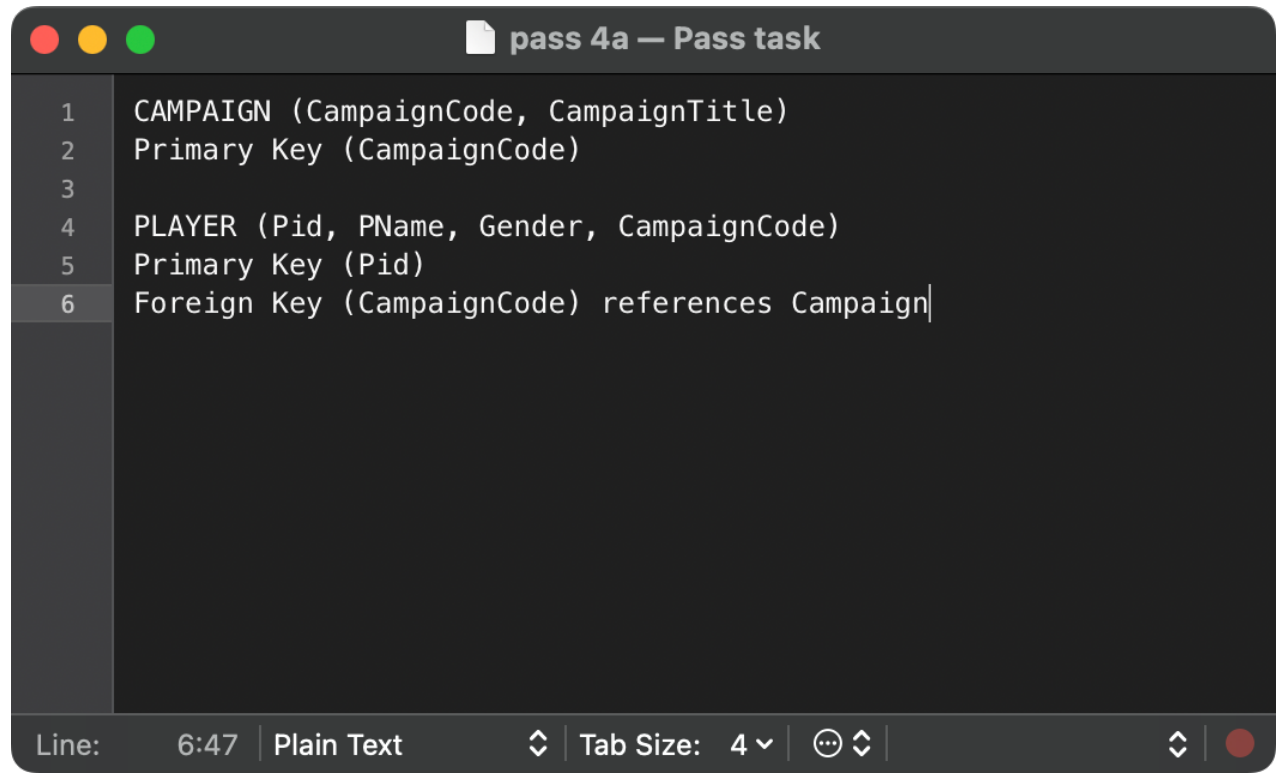# INF10025 Data Management and Analytics

Task 4 – Pass Submission

Student Number: 104071453
Student Name: Marco Giacoppo

Pass 4a

```
CAMPAIGN (CampaignCode, CampaignTitle)
Primary Key (CampaignCode)

PLAYER (Pid, PName, Gender, CampaignCode)
Primary Key (Pid)
Foreign Key (CampaignCode) references Campaign
```

Pass 4b

```
CREATE TABLE Campaign1453
(
CampaignCode INT PRIMARY KEY,
CampaignTitle VARCHAR (50)
);

CREATE TABLE Player1453
(
Pid INT PRIMARY KEY,
CampaignCode INT,
PName VARCHAR (50),
Gender VARCHAR (10),
FOREIGN KEY (CampaignCode) REFERENCES Campaign1453(CampaignCode)
);
```

Pass 4c

```
INSERT INTO Campaign1453 (CampaignCode, CampaignTitle)
VALUES (1, 'Campaign One');
INSERT INTO Campaign1453 (CampaignCode, CampaignTitle)
VALUES (2, 'Campaign Two');
INSERT INTO Campaign1453 (CampaignCode, CampaignTitle)
VALUES (3, 'Campaign Three');

INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (21, 'Ali Aien', 'M', 2);
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (22, 'Peter Ymer', 'M', 1);
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (23, 'Sarah Rogers', 'F', 1);
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (24, 'Sheelan Aien', 'F', 2);
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (25, 'Marco Giacoppo', 'M', 3);
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
VALUES (26, 'Corey Santarossa', 'M', 3);
```

Pass 4d

SELECT '104071453' AS StudId,
Campaign1453.* FROM Campaign1453

STUDID	CAMPAIGNCODE	CAMPAIGNTITLE
104071453	1	Campaign One
104071453	2	Campaign Two
104071453	3	Campaign Three

SELECT '104071453' AS StudId, Player1453.* FROM
Player1453

STUDID	PID	CAMPAIGNCODE	PNAME	GENDER
104071453	21	2	Ali Aien	M
104071453	22	1	Peter Ymer	M
104071453	23	1	Sarah Rogers	F
104071453	24	2	Sheelan Aien	F
104071453	25	3	Marco Giacoppo	M
104071453	26	3	Corey Santarossa	M

Pass 4e

Enter Statements:	INSERT INTO Campaign1453 (CampaignCode, CampaignTitle) VALUES (1, 'Campaign Four');

Execute   Clear

```
INSERT INTO Campaign1453 (CampaignCode, CampaignTitle)
*
```

Error at line 1:
ORA-00001: unique constraint (S104071453.SYS_C00997027) violated

This failed because we tried to insert a new value into an existing primary key, which is not allowed.

Primary key needs to be unique, so there can't be 2 different values using one primary key.

Enter Statements:
```
INSERT INTO Player1453 (Pid, PName, Gender,
CampaignCode)
VALUES (27, 'Marcus Pontembelli', 'M', 4);
```

Execute   Clear

```
INSERT INTO Player1453 (Pid, PName, Gender, CampaignCode)
*
```

Error at line 1:
ORA-02291: integrity constraint (S104071453.SYS_C00997030) violated -
parent key not found

This failed because we tried to insert a value into a non-existing column. As we can see the CampaignCode is a reference from the parent which is the CampaignTable, which means we need to add a new value of 4 inside the CampaignTable in order for this query to work.

Enter Statements:
```
DELETE FROM Campaign1453
WHERE CampaignTitle = 'Campaign Two';
```

Execute   Clear

```
DELETE FROM Campaign1453
*
```

Error at line 1:
ORA-02292: integrity constraint (S104071453.SYS_C00997030) violated -
child record found

This failed because as it says, there's a child record found. Which means another table is referencing from this current table. For it to work, we need to remove the relationship from the child table.

Pass 4f

Enter Statements:

```
SELECT '104071453' AS StudId, Player1453.PName, Campaign1453.CampaignTitle
FROM Player1453
JOIN Campaign1453 ON Player1453.CampaignCode =
Campaign1453.CampaignCode;
```

Execute   Clear

SELECT '104071453' AS StudId, Player1453.PName, Campaign1453.CampaignTitle FROM Player1453 JOIN Campaign1453 ON Player1453.CampaignCode = Campaign1453.CampaignCode

STUDID	PNAME	CAMPAIGNTITLE
104071453	Ali Aien	Campaign Two
104071453	Peter Ymer	Campaign One
104071453	Sarah Rogers	Campaign One
104071453	Sheelan Aien	Campaign Two
104071453	Marco Giacoppo	Campaign Three
104071453	Corey Santarossa	Campaign Three

Pass 4g

Enter Statements:

```
SELECT '104071453' AS StudId, COUNT(*) AS PlayerCount FROM Player1453;
```

Execute   Clear

SELECT '104071453' AS StudId, COUNT(*) AS PlayerCount FROM Player1453

STUDID	PLAYERCOUNT
104071453	6

Enter Statements:

```
SELECT '104071453' AS StudId, CampaignCode, COUNT(*) AS PlayerCount FROM
Player1453
GROUP BY CampaignCode;
```

Execute   Clear

**SELECT '104071453' AS StudId,
CampaignCode, COUNT(*) AS PlayerCount
FROM Player1453 GROUP BY
CampaignCode**

STUDID	CAMPAIGNCODE	PLAYERCOUNT
104071453	1	2
104071453	2	2
104071453	3	2

Pass 4h

BirthCountry	Number of Actors
Australia	3
Belgium	1
Benin	1
Brazil	1
Canada	23
China	1
Colombia	1
Croatia	1
Cuba	1
Denmark	1

Query Type

Query1   ACTOR1453

```
SELECT ACTOR1453.BirthCountry, Count(*) AS [Number of Actors]
FROM ACTOR1453
GROUP BY ACTOR1453.BirthCountry;
```

Pass 4i

Query1 ACTOR1453 **Query2** MOVIE1453

MOVIE1453

```
*
MOVIENO
TITLE
RELYEAR
RUNTIME
RATINGCODE
```

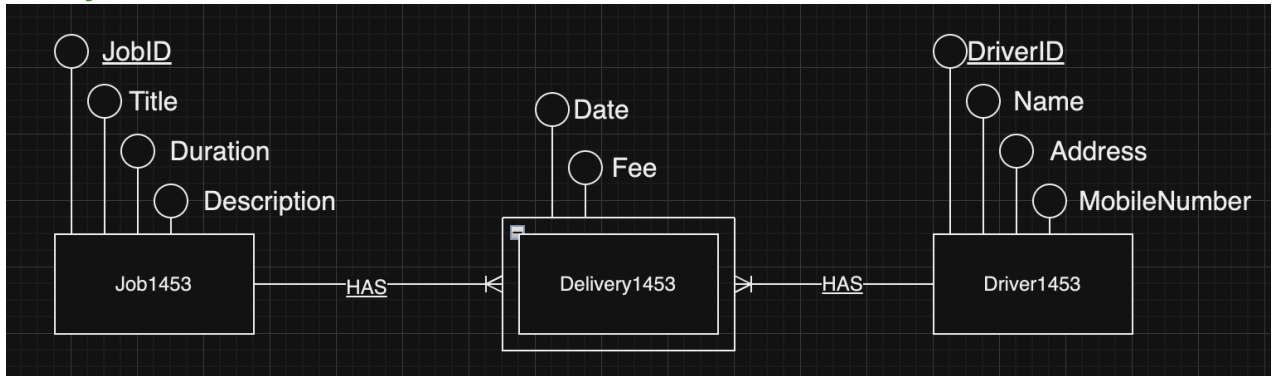| Field:	StudId: '104071453'	Title	RelYear	Runtime	RatingCode	[Runtime]	[RatingCode]	
Table:		MOVIE1453	MOVIE1453	MOVIE1453	MOVIE1453	MOVIE1453	MOVIE1453	
Sort:		Ascending						
Show:	☑	☑	☑	☑	☑	☐	☐	
Criteria:						Between 90 And 120	In ('PG','M','MA')	
or:								

Query1 ACTOR1453 **Query2** MOVIE1453

```
SELECT '104071453' AS StudId, Title, RelYear, Runtime, RatingCode
FROM MOVIE1453
WHERE Runtime BETWEEN 90 AND 120
AND RatingCode IN ('PG', 'M', 'MA')
ORDER BY Title;
```

Query1 ACTOR1453 **Query2** MOVIE1453

StudId	Title	RelYear	Runtime	RatingCode
104071453	50 First Dates	2004	99	M
104071453	About a Boy	2002	101	M
104071453	Adventureland	2009	107	M
104071453	Alice Through the Looking Glass	2016	117	PG
104071453	Anchorman: The Legend of Ron Burgundy	2004	95	M
104071453	Argo	2012	120	M
104071453	Austin Powers in Goldmember	2002	94	M
104071453	Austin Powers: International Man of Mystery	1997	94	M
104071453	Austin Powers: The Spy Who Shagged Me	1999	95	M
104071453	Baby Driver	2017	112	M

Pass 4j

Job1453(JobId, Title, Duration, Description)

Primary Key: JobId

Delivery1453(JobId, DriverId, Date, Fee)

Primary Key: JobId, DriverId

Foreign Key: JobId references Job1453

Foreign Key: DriverId references Driver1453

Driver1453(DriverId, Name, Address, MobileNumber)

Primary Key: DriverId

TEST DATA:

INSERT INTO Job1453 (JobId, Title, Duration, Description)

VALUES ('J1', 'Food Pickup', 2, 'Pick up food orders')

INSERT INTO Job1453 (JobId, Title, Duration, Description)

VALUES ('J2', 'Grocery Run', 1, 'Buy Groceries')

INSERT INTO Driver1453 (DriverId, Name, Address, MobileNumber)

VALUES ('D1', 'Alice', '123 Main St, Melbourne', '0412-345-678')

INSERT INTO Driver1453 (DriverId, Name, Address, MobileNumber)

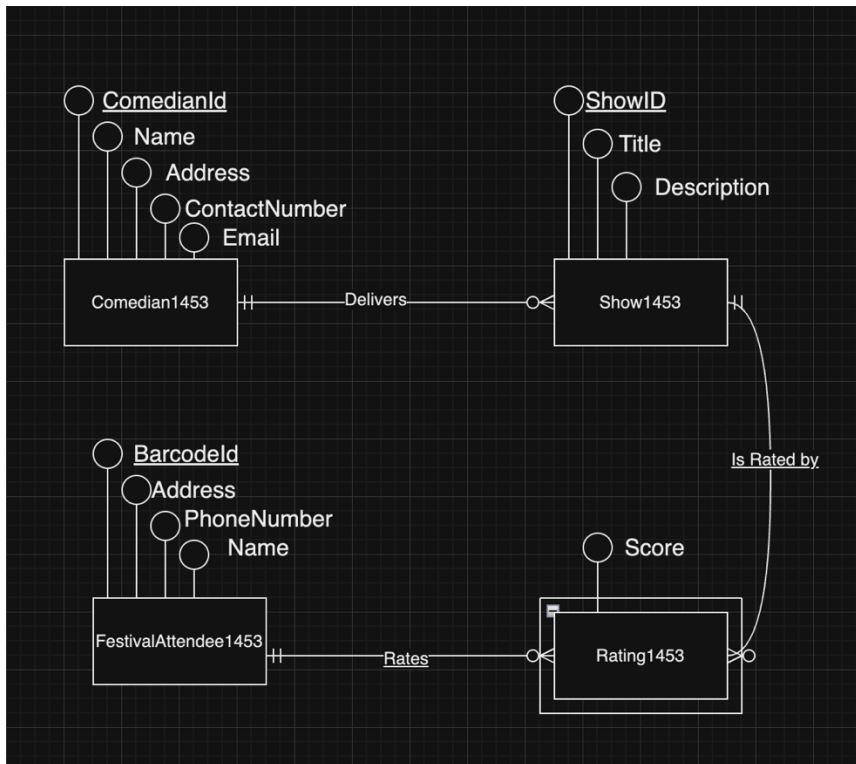VALUES ('D2', 'Bob', '456 Elm St, Sydney', '0432-123-456-789')

INSERT INTO Delivery1453 (DeliveryId, JobId, DriverId, Date, Fee)

VALUES ('J1', D1', '2024-04-25', '$10')

INSERT INTO Delivery1453 (DeliveryId, JobId, DriverId, Date, Fee)

VALUES ('J2', 'D2', '2024-04-26', '$15')

Pass 4k

Comedian1453(ComedianId, Name, Address, ContactNumber, Email)

Primary Key: ComedianId

Show1453(ShowId, Title, Description, ComedianId)

Primary Key: ShowId

Foreign Key: ComedianId references Comedian1453

Rating1453 (Score, ShowId, BarcodeId)

Foreign Key: ShowId references Show1453

Foreign Key: BarcodeId references FestivalAttendee1453

FestivalAttendee1453(BarcodeId, Name, Address, PhoneNumber)

Primary Key: BarcodeId

TEST DATA:

INSERT INTO Comedian1453 (ComedianId, Name, Address, ContactNumber, Email)

VALUES (C123, 'John Doe', '123 Funny Street', '123-456-7890', 'johndoe@example.com')

INSERT INTO Comedian1453 (ComedianId, Name, Address, ContactNumber, Email)

VALUES (C124, 'Jane Smith', '456 Comedy Avenue', '098-765-4321', 'janesmith@example.com')

INSERT INTO Show1453 (ShowId, Title, Description, ComedianId)

VALUES (S123, 'Laugh Out Loud', 'A stand-up comedy.', C123)

INSERT INTO Show1453 (ShowId, Title, Description, ComedianId)

VALUES (S124, 'Giggle Fest', 'An evening filled with humor and laughter.', C124)

INSERT INTO FestivalAttendee1453 (BarcodeId, Name, Address, PhoneNumber)

VALUES (F123, 'Alice Wonderland', '789 Joy Road', '1111-222-333')

INSERT INTO FestivalAttendee1453 (BarcodeId, Name, Address, PhoneNumber)

VALUES (F124, 'Bob Marvel', '321 Happy Lane', '4444-555-666')

INSERT INTO Rating1453 (RatingId, Score, ShowId, BarcodeId)

VALUES (R123, 8, S123, F123)

INSERT INTO Rating1453 (RatingId, Score, ShowId, BarcodeId)

VALUES (R124, 9, S124, F124)