## 1. Create, alter, drop tables

- a) Outcome: Imported the csv file and renamed the table to RossFiles. Created 3 tables for all episodes based on night, bushes, and beach themes. Dropped the Bushes table then added it back.
- b) Screenshot:

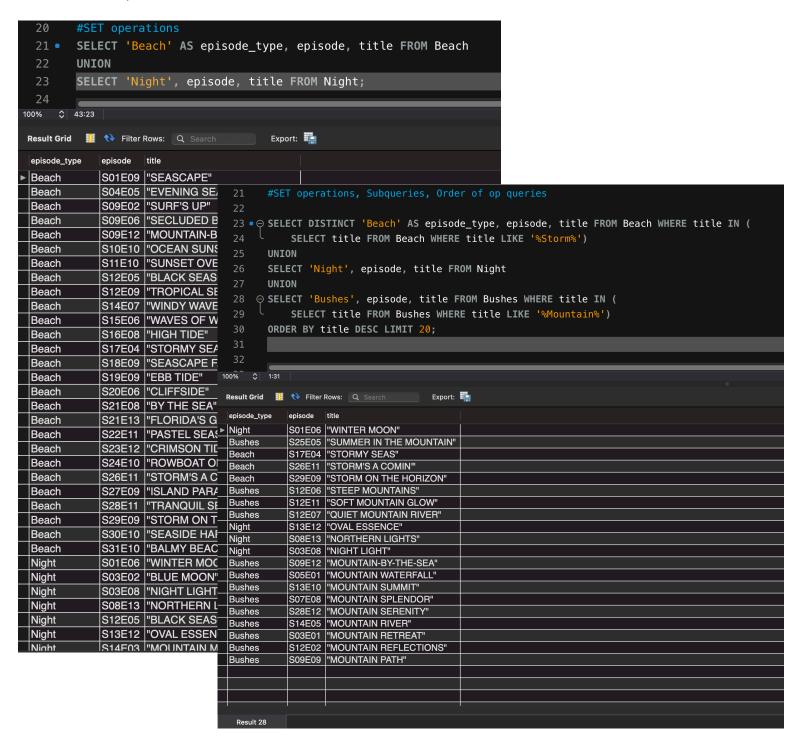


## 2. SET operations, Subqueries, Order of op queries

a) Outcome: Created a simple UNION between the Beach and Night tables. The UNION joined the two separate tables into one and listed the episode\_type(distinguishes whether the episode was beach and night themed), episode, and title.

In a more elaborate version of the UNION, I added a subquery for the Beach table to select all episodes whose titles included the word "Storm". I also added a second UNION to include the Bushes table along with a subquery where the title included the word "Mountain". I ordered this new list by the title of the episodes in a descending order and limited the output to 20 rows.

b) Screenshot:



## 3. Associations (foreign keys)

- a) Outcome: I got an error on this one so I'm not sure what the excuted table is suppose to look like.
- b) Screenshot:

```
#Associations (foreign keys)

ALTER TABLE RossFiles ADD UNIQUE(EPISODE(80));

#Line 34 executes fine, but 37 & 39 will not. I was trying to add a key length based on the error below.

#"Error Code: 1170. BLOB/TEXT column 'EPISODE' used in key specification without a key length"

ALTER TABLE RossFiles ADD PRIMARY KEY RossFiles(EPISODE);

ALTER TABLE RossFiles ADD FOREIGN KEY (episode) REFERENCES RossFiles(episode);

# ADD CONSTRAINT BR_EPID VARCHAR(30)
```

## 4. Joins & multiple table joins

- a) Outcome: Not sure if my outcome is correct here, but each of the JOINS received a green check mark when I ran the lines. However, just using JOIN alone the got an empty table, so I may be missing something.
- b) Screenshot:

44	#Jo:		nultipl	e table joins		
45	#I (	can on	ly see	an output when I use Lef		Right Join, but only from 1 of the tables. Using Join alone does execute correctly, but the table is empty.
46						
47 •	SELI	ECT Bu	shes.ep	isode, Bushes title, Nig	ht.ep:	isode, Night.title FROM Bushes JOIN Night
48	ON	Rushes	enisod	e = Night.episode AND Bu	shes t	title = Night title:
49	0	Dusiles	срізоц	e = Nightrepisode Amb Bu	311031	article = Nagner (2006)
50 •						
51 •	SELI		FROM Bu	shes RIGHT JOIN Night ON	Bushe	es.episode = Night.episode;
100% 🗘	73:51	_			_	
	73:51					
	id III	Filter	Rows: Q	Search Export:		
Result Gr					night	
Result Gri	title	bushes	episode	title	night	
Result Gri	title	bushes	episode S01E06	title "WINTER MOON"	night	
Result Gri	title NULL	bushes NULL	episode S01E06 S03E02	title "WINTER MOON" "BLUE MOON"	night	
Result Gri	HULL NULL	bushes NULL NULL	episode S01E06 S03E02 S03E08	title  "WINTER MOON"  "BLUE MOON"  "NIGHT LIGHT"	night	
Result Gri episode NULL NULL NULL	title  NULL  NULL  NULL  NULL	bushes  NULL  NULL  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13	title  "WINTER MOON"  "BLUE MOON"  "NIGHT LIGHT"  "NORTHERN LIGHTS"	night   1   1   1   1   1   1   1   1   1	
Result Gri episode  NULL NULL NULL NULL	title  NULL  NULL  NULL  NULL  NULL	bushes  NULL  NULL  NULL  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13 S12E05	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE"	night 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Result Gri episode  NULL NULL NULL NULL NULL NULL NULL NU	title  NULL  NULL  NULL  NULL  NULL  NULL	bushes  NULL  NULL  NULL  NULL  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE" "OVAL ESSENCE"	1 1 1 1 1 1 1 1	
Result Gri episode  NULL NULL NULL NULL NULL NULL NULL NU	title  NULL  NULL  NULL  NULL  NULL  NULL  NULL  NULL  NULL	bushes  NULL  NULL  NULL  NULL  NULL  NULL  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12 S14E03	title  "WINTER MOON"  "BLUE MOON"  "NIGHT LIGHT"  "NORTHERN LIGHTS"  "BLACK SEASCAPE"  "OVAL ESSENCE"  "MOUNTAIN MOONLIGHT OVAL"	1 1 1 1 1 1 1 1	
Result Gri episode NULL NULL NULL NULL NULL NULL NULL NUL	title NULL NULL NULL NULL NULL NULL NULL NUL	bushes  NULL  NULL  NULL  NULL  NULL  NULL  NULL  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12 S14E03 S19E12	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE" "OVAL ESSENCE" "MOUNTAIN MOONLIGHT OVAL" "EVENING'S PEACE"	1 1 1 1 1 1 1 1	
Result Gri episode NULL NULL NULL NULL NULL NULL NULL NUL	title NULL NULL NULL NULL NULL NULL NULL NUL	bushes  NOLL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12 S14E03 S19E12 S26E13	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE" "OVAL ESSENCE" "MOUNTAIN MOONLIGHT OVAL" "EVENING'S PEACE" "EVENING AT THE FALLS"	1 1 1 1 1 1 1 1	
Result Gri episode  NULL NULL NULL NULL NULL NULL NULL NU	title  NULL  NULL	bushes  NULL  NULL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12 S14E03 S19E12 S26E13 S28E13	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE" "OVAL ESSENCE" "MOUNTAIN MOONLIGHT OVAL" "EVENING'S PEACE" "EVENING AT THE FALLS" "HOME BEFORE NIGHTFALL"	1 1 1 1 1 1 1 1	
Result Gri episode NULL NULL NULL NULL NULL NULL NULL NUL	title NULL NULL NULL NULL NULL NULL NULL NUL	bushes  NOLL	episode S01E06 S03E02 S03E08 S08E13 S12E05 S13E12 S14E03 S19E12 S26E13 S28E13	title "WINTER MOON" "BLUE MOON" "NIGHT LIGHT" "NORTHERN LIGHTS" "BLACK SEASCAPE" "OVAL ESSENCE" "MOUNTAIN MOONLIGHT OVAL" "EVENING'S PEACE" "EVENING AT THE FALLS"	1 1 1 1 1 1 1 1	