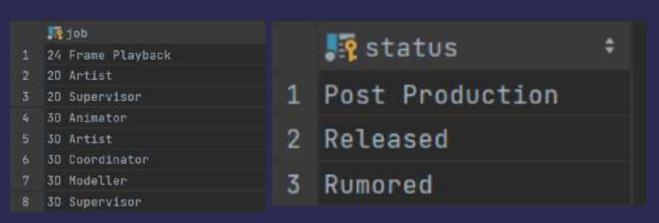




Normalización de Columnas con Datos Repetitivos









Columnas con valores no atómicos

```
SELECT id, cast, length(cast) as longitud,

length(REPLACE(cast, ' ', '')) as longitudSinEspacios,

length(cast) - length(REPLACE(cast, ' ', '')) as CantidadEspacios,

length(cast) - length(REPLACE(cast, ' ', '')) + 1 as CantidaDePalabras

FROM cast;
```

■ cast

Michael Madsen Iman Crosson Lazar Ristovski

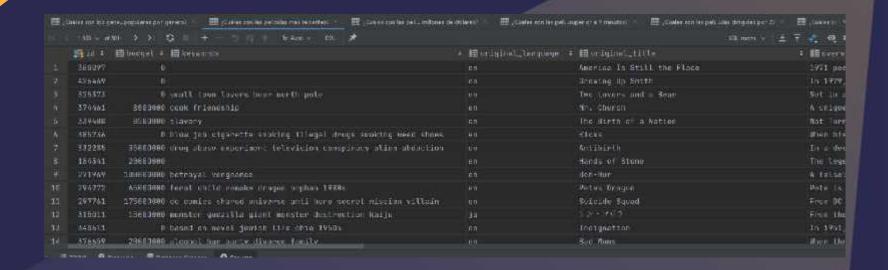
```
66
67 OUPDATE cast
68 OSET cast = REPLACE(cast, 'Anh Le Guy Pearce', 'Anh Le_Guy Pearce');
69
```

Columnas Formato Json

```
the safetime to appear to appear
        DECLARE myCursor
           SELECT id, JSON_EXTRACT(CONVERT(spoken_languages_USING_UTF8MB4), '$[*]')
           FROM movie_dataset.movie_dataset;
         OPEN myCursor
         cursorLoop: LOOP
          FETCH myCursor INTO movield, jsonData;
          IF done THEN
           LEAVE cursorLoop :
```



SELECT * FROM movie ORDER BY release_date DESC;



-- ¿Cuáles son las películas con una duración superior a Y minutos?

SELECT * FROM movie WHERE runtime > 160;

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14	535	5096360 showdown bounty ocunty funter loss of brother sedness	11	Care one valte	il West	This st



-- ¿Cuáles son las películas dirigidas por Z?

SELECT * FROM movie, director

WHERE director.id = movie.id

SELECT * FROM movie WHERE cast LIKE '%Roberth Downey Jr%';

