```
1   CREATE TABLE movies_clean AS
2   SELECT * FROM movies_clean
3   --1--
4   UPDATE movies_clean
5   SET country = INITCAP (CASE
6           WHEN country = '-' THEN 'not given'
7           WHEN country IS NOT NULL THEN country
8       END) AS country;
9
10  UPDATE movies_clean
11  SET director = INITCAP(CASE
12          WHEN director ='-' THEN 'not given'
13          WHEN director IS NOT NULL THEN director
14          END);
15  --1 RESULT--
16  SELECT c.director,c.country FROM movies_clean AS c
17  --END OF 1--
```

	director text 🔒	country character varying 🔒
1	Stephen Herek	United States
2	Not Given	Pakistan
3	Not Given	Pakistan
4	Not Given	Pakistan
5	Chapman Way, Maclain Way	United States
6	Not Given	Pakistan
7	Marco Dutra	Brazil
8	Lijo Jose Pellissery	India
9	Not Given	Pakistan

Total rows: 1000 of 7598   Query complete 00:00:00.109

```sql
19  --2--
20  ALTER TABLE movies_clean
21  ADD COLUMN month_added INTEGER;
22  UPDATE movies_clean
23  SET month_added = EXTRACT(MONTH FROM date_added);
24  --2 result--
25  SELECT date_added, month_added FROM movies_clean
26  --END OF 2--
```

	date_added date	month_added integer
1	2021-09-02	9
2	2021-06-22	6
3	2021-06-20	6
4	2021-06-04	6
5	2021-09-07	9
6	2021-06-19	6
7	2017-01-25	1
8	2021-09-05	9
9	2021-06-17	6

Total rows: 1000 of 7598   Query complete 00:00:00.091

```
28  --3--
29  ALTER TABLE movies_clean
30  ADD COLUMN film_type TEXT
31
32  UPDATE movies_clean
33  SET film_type = CASE
34          WHEN duration LIKE '%min' THEN 'Movie'
35          WHEN duration LIKE '%Season' THEN 'Series'
36          WHEN duration LIKE '%Seasons' THEN 'Series'
37          --can also be ELSE 'Series'
38      END
39  --3 RESULT--
40  SELECT duration,film_type FROM movies_clean
41  --END OF 3--
```

	duration 🔒 text	film_type 🔒 text
1	110 min	Movie
2	1 Season	Series
3	1 Season	Series
4	1 Season	Series
5	80 min	Movie
6	1 Season	Series
7	102 min	Movie
8	128 min	Movie
9	1 Season	Series

Total rows: 1000 of 7598   Query complete 00:00:00.102

```sql
43  --4--
44  SELECT DISTINCT show_id,
45      INITCAP(director) AS director,
46      INITCAP(country) AS country,
47      CONCAT(rating_1,'-',rating_2) AS rating,
48      CASE
49          WHEN duration LIKE '%min' THEN 'Movie'
50          ELSE 'Series'
51      END AS film_type,
52      CASE
53          WHEN month_added = 1 THEN 'Jan'
54          WHEN month_added = 2 THEN 'Feb'
55          WHEN month_added = 3 THEN 'Mar'
56          WHEN month_added = 4 THEN 'Apr'
57          WHEN month_added = 5 THEN 'May'
58          WHEN month_added = 6 THEN 'Jun'
59          WHEN month_added = 7 THEN 'Jul'
60          WHEN month_added = 8 THEN 'Aug'
61          WHEN month_added = 9 THEN 'Sep'
62          WHEN month_added = 10 THEN 'Oct'
63          WHEN month_added = 11 THEN 'Nov'
64          WHEN month_added = 12 THEN 'Dec'
65      END AS month_added
66  FROM movies_clean
67  --END OF 4--
```

	show_id text	director text	country text	rating text	film_type text	month_added text
1	s1733	Antoinette Jadaone	Philippines	TV-14	Movie	Nov
2	s7518	Steve Brill	United States	PG-13	Movie	Aug
3	s2674	Fernando González Molina	Spain	TV-MA	Movie	Apr
4	s7792	Satish Rajwade	India	TV-14	Movie	Feb
5	s6140	Sharon Grimberg	United States	TV-PG	Series	May
6	s6015	Jack C. Newell	United States	TV-MA	Movie	Feb
7	s3990	Not Given	Japan	TV-14	Series	Mar
8	s2331	David Dobkin	United States	PG-13	Movie	Jun
9	s198	Not Given	Pakistan	TV-Y7	Series	Aug

Total rows: 1000 of 7581   Query complete 00:00:00.100

```
69    --5--
70    CREATE TABLE cleaned_movies AS
71    SELECT DISTINCT show_id,
72        INITCAP(director) AS director,
73        INITCAP(country) AS country,
74        CONCAT(rating_1,'-',rating_2) AS rating,
75        CASE
76            WHEN duration LIKE '%min' THEN 'Movie'
77            ELSE 'Series'
78        END AS film_type,
79        CASE
80            WHEN month_added = 1 THEN 'Jan'
81            WHEN month_added = 2 THEN 'Feb'
82            WHEN month_added = 3 THEN 'Mar'
83            WHEN month_added = 4 THEN 'Apr'
84            WHEN month_added = 5 THEN 'May'
85            WHEN month_added = 6 THEN 'Jun'
86            WHEN month_added = 7 THEN 'Jul'
87            WHEN month_added = 8 THEN 'Aug'
88            WHEN month_added = 9 THEN 'Sep'
89            WHEN month_added = 10 THEN 'Oct'
90            WHEN month_added = 11 THEN 'Nov'
91            WHEN month_added = 12 THEN 'Dec'
92        END AS month_added
93    FROM movies_clean
94    --RESULT OF 5--
95    SELECT * FROM cleaned_movies
96    --END OF 5--
```

	show_id text	director text	country text	rating text	film_type text	month_added text
1	s1733	Antoinette Jadaone	Philippines	TV-14	Movie	Nov
2	s7518	Steve Brill	United States	PG-13	Movie	Aug
3	s2674	Fernando González Molina	Spain	TV-MA	Movie	Apr
4	s7792	Satish Rajwade	India	TV-14	Movie	Feb
5	s6140	Sharon Grimberg	United States	TV-PG	Series	May
6	s6015	Jack C. Newell	United States	TV-MA	Movie	Feb
7	s3990	Not Given	Japan	TV-14	Series	Mar
8	s2331	David Dobkin	United States	PG-13	Movie	Jun
9	s198	Not Given	Pakistan	TV-Y7	Series	Aug

Total rows: 7581 of 7581   Query complete 00:00:00.109

```sql
--6--
SELECT month_added, CASE
        WHEN month_added = 1 THEN 'Jan'
        WHEN month_added = 2 THEN 'Feb'
        WHEN month_added = 3 THEN 'Mar'
        WHEN month_added = 4 THEN 'Apr'
        WHEN month_added = 5 THEN 'May'
        WHEN month_added = 6 THEN 'Jun'
        WHEN month_added = 7 THEN 'Jul'
        WHEN month_added = 8 THEN 'Aug'
        WHEN month_added = 9 THEN 'Sep'
        WHEN month_added = 10 THEN 'Oct'
        WHEN month_added = 11 THEN 'Nov'
        WHEN month_added = 12 THEN 'Dec'
          END AS Mon,
    COUNT(DISTINCT(show_id))
    FROM movies_clean
GROUP BY month_added
ORDER BY month_added
--END OF 6--
```

	month_added integer	mon text	count bigint
1	1	Jan	574
2	2	Feb	489
3	3	Mar	647
4	4	Apr	666
5	5	May	559
6	6	Jun	640
7	7	Jul	706
8	8	Aug	665
9	9	Sep	669
10	10	Oct	666
11	11	Nov	578
12	12	Dec	722

Total rows: 12 of 12   Query complete 00:00:00.111

```
120    SELECT film_type,COUNT(DISTINCT(show_id)) FROM movies_clean
121    GROUP BY film_type
122    --END OF 7--
```

	film_type text 🔒	count bigint 🔒
1	Movie	4923
2	Series	2658