

## SQL Code

```
1  /* 3_2_Fill_Dim_Date.sql */
2
3  BEGIN;
4
5  TRUNCATE TABLE Dim_Date RESTART IDENTITY CASCADE;
6
7  WITH bounds AS (
8      SELECT
9          COALESCE(MIN(log_time)::date, DATE '2020-01-01') AS min_date,
10         COALESCE(MAX(log_time)::date, DATE '2020-12-31') AS max_date
11     FROM src_treasure_log
12 ),
13 dates AS (
14     SELECT
15         generate_series(min_date, max_date, interval '1 day')::date AS FullDate
16     FROM bounds
17 )
18 INSERT INTO Dim_Date (
19     DateSK,
20     FullDate,
21     Day,
22     Month,
23     MonthName,
24     Year,
25     Week,
26     WeekdayName,
27     IsWeekend
28 )
29 SELECT
30     (EXTRACT(YEAR FROM FullDate)::int * 10000) +
31     (EXTRACT(MONTH FROM FullDate)::int * 100) +
32     (EXTRACT(DAY FROM FullDate)::int) AS DateSK,
33     FullDate,
34     EXTRACT(DAY FROM FullDate)::int AS Day,
35     EXTRACT(MONTH FROM FullDate)::int AS Month,
36     TO_CHAR(FullDate, 'Month') AS MonthName,
37     EXTRACT(YEAR FROM FullDate)::int AS Year,
38     EXTRACT(WEEK FROM FullDate)::int AS Week,
39     TO_CHAR(FullDate, 'Day') AS WeekdayName,
40     CASE
41         WHEN EXTRACT(ISODOW FROM FullDate) IN (6, 7) THEN TRUE
42         ELSE FALSE
43     END AS IsWeekend
44 FROM dates
45 ORDER BY FullDate;
46
47 COMMIT;
48
```