

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
```