SQL Internship Task – Week 8

```
CREATE TABLE date_info (
  date_column   DATE PRIMARY KEY,
  day_name     VARCHAR(20),
  day_of_week  TINYINT,
  day_of_month  TINYINT,
  month     TINYINT,
  month_name   VARCHAR(20),
  quarter   TINYINT,
  year     SMALLINT,
  is_weekend    BIT
);
```

Procedure

```
DELIMITER //

CREATE PROCEDURE PopulateDateInfo(IN input_date DATE)
BEGIN
  DECLARE cur_date DATE;
  DECLARE last_date DATE;

  -- Define year range based on input
  SET cur_date  = MAKEDATE(YEAR(input_date), 1);
  SET last_date = MAKEDATE(YEAR(input_date), 1) + INTERVAL 1 YEAR - INTERVAL 1 DAY;

  WHILE cur_date <= last_date DO
    INSERT INTO date_info
      (date_column, day_name, day_of_week, day_of_month, month,
       month_name, quarter, year, is_weekend)
    VALUES
      (cur_date,
       DAYNAME(cur_date),
       WEEKDAY(cur_date) + 1,
       DAY(cur_date),
       MONTH(cur_date),
       MONTHNAME(cur_date),
       QUARTER(cur_date),
       YEAR(cur_date),
       IF(WEEKDAY(cur_date) IN (5,6), 1, 0)
      );

    SET cur_date = cur_date + INTERVAL 1 DAY;
  END WHILE;
END //

DELIMITER ;


CALL PopulateDateInfo('2020-07-14');
```