

# S07-L01 Functions

```
SELECT /* Is multinight? */
    @checkin_date := '2016-05-09' AS checkin_date,
    @checkout_date := '2016-05-10' AS checkout_date,
    CASE
        WHEN DATEDIFF(@checkout_date, @checkin_date) = 1 THEN 0
        ELSE 1
    END AS is_multinight
;
```

```
DROP FUNCTION IF EXISTS `FC_IS_MULTINIGHT` ;

DELIMITER //

CREATE FUNCTION `FC_IS_MULTINIGHT` (
    checkin_date DATE,
    checkout_date DATE
) RETURNS TINYINT(1)
BEGIN
    RETURN CASE
        WHEN DATEDIFF(checkout_date, checkin_date) = 1 THEN FALSE
        ELSE TRUE
    END;
END;
//

DELIMITER ;
```

```
SELECT
    @checkin_date := '2016-05-09' AS checkin_date,
    @checkout_date := '2016-05-10' AS checkout_date,
    FC_IS_MULTINIGHT(@checkin_date, @checkout_date) AS is_multinight
;
```