

S09-L01 Cursors

```
DROP PROCEDURE IF EXISTS `GET_DATE_LIST` ;

DELIMITER //

CREATE PROCEDURE `GET_DATE_LIST` (
    INOUT dates_list VARCHAR(10000)
)
BEGIN
    DECLARE no_more_rows BOOLEAN;
    DECLARE v_date DATE;

    -- Declare a new cursor for the dates
    DECLARE cursor_dates CURSOR FOR
        SELECT `date`
    FROM `sample_staff`.`date`
    LIMIT 100;

    -- Declare NOT FOUND handler
    DECLARE CONTINUE HANDLER FOR NOT FOUND
        SET no_more_rows = TRUE;

    -- Now open the cursor
    OPEN cursor_dates;

    -- Start the loop cycle
    loop_users: LOOP

        -- Fetch the next row from the cursor
        FETCH cursor_dates INTO v_date;

        -- If there are no more rows, then leave the loop cycle
        IF no_more_rows THEN
            LEAVE loop_users;
        END IF;

        -- Create the list
        SET dates_list = CONCAT(v_date, ' - ', dates_list);

    END LOOP loop_users;

    -- Close cursor when done
    CLOSE cursor_dates;
END//
```

```
DELIMITER ;
```

```
SET @dates_list = "";  
CALL GET_DATE_LIST(@dates_list);  
SELECT @dates_list;
```