

# Event Scheduler 개발

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## 계절학기

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# 1. Table 생성

```
CREATE TABLE tbl_evnet (  
    event_seq INT NOT NULL AUTO_INCREMENT,  
    event_data INT NULL,  
    regdate DATETIME NULL,  
    PRIMARY KEY (`event_seq`))  
COMMENT = 'Event Scheduler 테스트';
```

## 2. Event Scheduler 생성

### ✓ 1분마다 INSERT

```
CREATE EVENT
  IF NOT EXISTS evt_insert_event
ON SCHEDULE
  EVERY 1 MINUTE
COMMENT 'tbl_event에 1분마다 Insert'
DO
  INSERT INTO tbl_evnet(event_data, regdate)
  VALUES (1, now());
```



## 2. Event Scheduler 생성

- ✓ 현재 시각으로부터 5분 후 DELETE

```
CREATE EVENT
    IF NOT EXISTS evt_delete_event
ON SCHEDULE
    AT CURRENT_TIMESTAMP + INTERVAL 5 MINUTE
COMMENT '5분 후 tbl_event Data 삭제'
DO
    DELETE FROM tbl_evnet;
```



## 2. Event Scheduler 생성

- ✓ 특정 기간동안 반복 실행되는 Scheduler 작성

```
CREATE EVENT
    IF NOT EXISTS evt_update_event
ON SCHEDULE
    EVERY 30 SECOND
    STARTS CURRENT_TIMESTAMP
    ENDS CURRENT_TIMESTAMP + INTERVAL 10 MINUTE
COMMENT '10분간 30초마다 event_data update'
DO
    UPDATE tbl_event SET event_data = event_data + 1;
```

### 3. Event Scheduler 생성

✓ `SELECT * FROM information_schema.EVENTS;`

	EVENT_CATALOG	EVENT_SCHEMA	EVENT_NAME	DEFINER	TIME_ZONE	EVENT_BODY	EVENT_DEFINITION	EVENT_TYPE	EXECUTE_AT	INTERVAL_VALUE	INTERVAL_FIELD	SQL_MODE
▶	def	event	evt_insert_event	root@localhost	SYSTEM	SQL	INSERT INTO tbl_event(event_data, regdate) ...	RECURRING	NULL	1	MINUTE	STRICT_TRANS_TABLES,NO_ENGINE_SUBSTIT...
	def	event	evt_update_event	root@localhost	SYSTEM	SQL	UPDATE tbl_event SET event_data = event_da...	RECURRING	NULL	30	SECOND	STRICT_TRANS_TABLES,NO_ENGINE_SUBSTIT...
	def	event	evt_delete_event	root@localhost	SYSTEM	SQL	DELETE FROM tbl_event	ONE TIME	2022-12-23 00:16:06	NULL	NULL	STRICT_TRANS_TABLES,NO_ENGINE_SUBSTIT...

STATUS	ON_COMPLETION	CREATED	LAST_ALTERED	LAST_EXECUTED	EVENT_COMMENT	ORIGINATOR	CHARACTER_SET_CLIENT	COLLATION_CONNECTION	DATABASE_COLLATION
ENABLED	NOT PRESERVE	2022-12-23 00:03:36	2022-12-23 00:03:36	2022-12-23 00:10:36	tbl_event에 1분마다 Insert	1	utf8mb4	utf8mb4_0900_ai_ci	utf8mb4_0900_ai_ci
ENABLED	NOT PRESERVE	2022-12-23 00:07:47	2022-12-23 00:07:47	2022-12-23 00:10:47	10분간 30초마다 event_data update	1	utf8mb4	utf8mb4_0900_ai_ci	utf8mb4_0900_ai_ci
ENABLED	NOT PRESERVE	2022-12-23 00:11:06	2022-12-23 00:11:06	NULL	5분 후 tbl_event Data 삭제	1	utf8mb4	utf8mb4_0900_ai_ci	utf8mb4_0900_ai_ci

