## Overview

- similar to [[Procedures and Functions]] but execute on event
  - on delete/insert/update
- allow complex check constraints and active behaviour
  - replication
  - auto deletion
  - auditing
- very powerful but complex
  - need to be careful
  - lots of implicite dependencies
  - trigger may trigger other triggers
    - \* infinite loop

## Trigger Template

```
CREATE TRIGGER <triggername>
  BEFORE | AFTER | INSTEAD OF
  INSERT | DELETE | (UPDATE OF <column_list>)
  ON <tablename>
  [REFERENCING <old_new_alias_list>]
  [FOR EACH {ROW | STATEMENT}]
  [WHEN (<search condition>)]
  <SQL procedure statement> |
  BEGIN ATOMIC
  {<SQL Procedure statement>;}...
  END
Condition

Action
```

[[SQL]]