

```

use `classicmodels`;

select * from customers;
-- First Table Created
CREATE TABLE BankAccount(
id INT PRIMARY KEY AUTO_INCREMENT,
name VARCHAR(64),
balance REAL
);

-- Second table created
CREATE TABLE BankAccountLog(
id INT AUTO_INCREMENT PRIMARY KEY,
time DATETIME,
event ENUM('D', 'W'),
preBalance REAL,
postBalance REAL
);

-- inserted and selected
INSERT BankAccount (name, balance) VALUES ('Ellen', 100);
SELECT * FROM BankAccount;
SELECT * FROM BankAccountLog;

-- creating a trigger
DELIMITER ++
create definer = current_user trigger updateAccount
before update on BankAccount for each row
begin
if new.postBalance < NEW.preBalance then set new.enum = 'W';
end if;
end++
SET GLOBAL log_bin_trust_function_creators = 1;

DROP TABLE IF EXISTS employees_audit;
CREATE TABLE IF NOT EXISTS employees_audit (
  ID INT PRIMARY KEY AUTO_INCREMENT,
  employeeNumber INT,
  lastname VARCHAR(50),
  firstname VARCHAR(50),
  act VARCHAR(25),
  FOREIGN KEY (employeeNumber) REFERENCES employees(employeeNumber));

CREATE TRIGGER before_employee_update

```

```
BEFORE UPDATE ON employees
FOR EACH ROW
INSERT INTO employees_audit
SET action = 'update',
employeeNumber = OLD.employeeNumber,
lastname = OLD.lastname,
changedat = NOW();
```