**DROP** **TABLE** **IF** **EXISTS** sales;

**CREATE** **TABLE** sales (

**id** INT AUTO\_INCREMENT,

product VARCHAR(100) **NOT** NULL,

quantity INT **NOT** NULL **DEFAULT** 0,

fiscalYear SMALLINT **NOT** NULL,

fiscalMonth TINYINT **NOT** NULL,

**CHECK**(fiscalMonth >= 1 **AND** fiscalMonth <= 12),

**CHECK**(fiscalYear **BETWEEN** 2000 **and** 2050),

**CHECK** (quantity >=0),

**UNIQUE**(product, fiscalYear, fiscalMonth),

PRIMARY **KEY**(**id**)

);

**INSERT** **INTO** sales(product, quantity, fiscalYear, fiscalMonth)

**VALUES**

('2003 Harley-Davidson Eagle Drag Bike',120, 2020,1),

('1969 Corvair Monza', 150,2020,1),

('1970 Plymouth Hemi Cuda', 200,2020,1);

**SELECT** \* **FROM** sales;

DELIMITER $$

**CREATE** **TRIGGER** before\_sales\_update

**BEFORE** **UPDATE**

**ON** sales **FOR** **EACH** **ROW**

**BEGIN**

**DECLARE** errorMessage VARCHAR(255);

**SET** errorMessage = **CONCAT**('The new quantity ',

NEW.quantity,

' cannot be 3 times greater than the current quantity ',

OLD.quantity);

IF new.quantity > old.quantity \* 3 THEN

SIGNAL SQLSTATE '45000'

**SET** MESSAGE\_TEXT = errorMessage;

**END** **IF**;

**END** $$

DELIMITER ;

UPDATE sales

SET quantity = 150

WHERE id = 1;