SQL

INSERT INTO tablename [{column-name,}]

VALUES (data-value-list)

UPDATE tablename

[SET column-name= <data-value>] [WHERE condition]

PLPGSQL FUNCTION

CREATE [OR REPLACE] FUNCTION
function-name (parameter-list) RETURNS
<return-type> as \$\$
[DECLARE
[constant/variable declarations]]
BEGIN
Executable statements
RETURN Return value
[EXCEPTION
exception handlers]
END:\$\$

PLPGSQL TRIGGER

CREATE TRIGGER triggername [BEFORE / AFTER] operation ON tablename FOR EACH ROW EXECUTE FUNCTION function-name;

PLPGSQL PROCEDURE

CREATE [OR REPLACE] PROCEDURE
procedure-name as \$\$
[DECLARE
[constant/variable declarations]]
BEGIN
Executable statements
[EXCEPTION
exception handlers]
END; \$\$
Parameters must have a name and a data type but may be optional (DEFAULT NULL).

MONGODB EXAMPLES

```
Create a products collection:
db.createCollection("contacts",
{ validator: { $or: [
{phone:{$type:"string"}},
{email: {$regex: /@mytudublinproduct\.ie$/}},
{status:{$in:["Unknown","Incomplete"]}}
] }}}
Insert an order into the productOrders
           collection ordering 3 items:
db.productOrders.insertOne({
OrderNo:1,
OrderDate: new ISODate("2022-04-21"),
items:
  { item: "pencil", qty: 50, type: "no.2" },
  { item: "pen", qty: 20 },
  { item: "eraser", qty: 25 }
Attributes may be embedded docs or arrays.
```