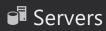
Project / Servers Hoop Testing





Local_Development

| Project / Servers / Local_Development | Hoop Testing |
|--|------------------------------|
| Local_Development | |
| Databases data_db static_db | |
| Users ③ dataCollector@% databaseManager@% reportGenerator@% Properties | |
| Name | Value |
| Product | MySQL |
| Version | 8.3.0 |
| Version Comment | MySQL Community Server - GPL |
| Collation | utf8mb4_0900_ai_ci |







static_db



Properties

| Name | Value |
|-----------|--------------------|
| Collation | utf8mb4_0900_ai_ci |

Object Types 4





Procedures



7 Triggers



Objects 3

| Name | Description |
|----------|---------------------------|
| data | Data Recollected from PLC |
| sample | Test Sample information |
| specimen | Test specimen |
| | |



Data Recollected from PLC

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 3887 |
| Average Row Length | 58 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 1/1/0001 00:00:00 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|----------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | specimen | INT | | 11 | | True | False | False | True | False | | False | False | |
| | pressure | DOUBLE | 0 | | | False | False | False | True | False | | False | False | |
| | temperature | DOUBLE | 0 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 4 | | False | False | False | False | False | CURRENT_TIMESTAMP(4) | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|-----|-----------------------------|----------|--------|------|-------------|
| ₩ | | id | True | None | 0 |
| | IDX_test_data_test_specimen | specimen | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|---------|---------|-------------|-------------|
| IVALLIC | Columns | Delete Kule | opuate Kule |

FK_test_data_test_specimen_id id N/S N/S

SQL Script

```
CREATE TABLE data (
id int UNSIGNED NOT NULL AUTO_INCREMENT,
specimen int UNSIGNED NOT NULL,
pressure double NOT NULL,
temperature double NOT NULL,
createdAt datetime(4) DEFAULT CURRENT_TIMESTAMP(4),
PRIMARY KEY (id)
)
ENGINE = INNODB,
AVG_ROW_LENGTH = 58,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_general_ci,
COMMENT = 'Data Recollected from PLC';

ALTER TABLE data
ADD INDEX IDX_test_data_test_specimen (specimen);

ALTER TABLE data
ADD CONSTRAINT FK_test_data_test_specimen_id FOREIGN KEY (specimen)
REFERENCES specimen (id);
```

Depends On 1



Used By 6



DeleteTest



selectTestData

getSpecimenData



selectTestLimit



Test Sample information

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 50 |
| Average Row Length | 16384 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 1/1/0001 00:00:00 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|----------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|---------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | standard | VARCHAR | 25 | | | False | False | False | True | False | | False | False | |
| | material | VARCHAR | 10 | | | False | False | False | True | False | | False | False | |
| | specification | VARCHAR | 10 | | | False | False | False | True | False | | False | False | |
| | diamreal | INT | | 11 | | True | False | False | True | False | | False | False | |
| | diamnom | INT | | 11 | | True | False | False | True | False | | False | False | |
| | wallthick | INT | | 11 | | True | False | False | True | False | | False | False | |
| | lentotal | INT | | 11 | | True | False | False | True | False | | False | False | |
| | lenfree | INT | | 11 | | True | False | False | True | False | | False | False | |
| | targettemp | INT | | 11 | | False | False | False | True | False | | False | False | |
| | targetpressure | INT | | 11 | | False | False | False | True | False | | False | False | |
| | condPeriod | VARCHAR | 15 | | | False | False | False | True | False | | False | False | |

| createdAt | DATETIME | 0 | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
|-----------|----------|---|-------|-------|-------|------|-------|-------------------|-------|-------|--|
| updatedAt | DATETIME | 0 | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|---------|------|---------|--------|------|-------------|
| | | id | True | None | 0 |

Triggers

| Name | Туре | Event | Security | Definer |
|-----------|--------|--------|----------|---------|
| NewSample | BEFORE | INSERT | Definer | root |

SQL Script

```
CREATE TABLE sample (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   standard varchar(25) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   material varchar(10) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   specification varchar(10) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   diamreal int UNSIGNED NOT NULL,
   diamnom int UNSIGNED NOT NULL,
   wallthick int UNSIGNED NOT NULL,
   lentotal int UNSIGNED NOT NULL,
   lentotal int UNSIGNED NOT NULL,
   targettemp int NOT NULL,
   targettemp int NOT NULL,
   condPeriod varchar(15) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)

ENGINE = INNODB,
   AVG_ROW_LENGTH = 16384,
   CHARACTER SET utf8mb4,
   COLLATE utf8mb4_general_ci,
   COMMENT = 'Test Sample information';
```

Depends On

No items found

Used By @

- insertSample
- insertSpecimen
- selectSample
- selectSampleID
- selectCompareTests
- selectTest
- selectTests
- NewSample
- specimen
- getSpecimenData
- selectTestSample
- ✓ DeleteTestSample

specimen

Description

Test specimen

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 136 |
| Average Row Length | 910 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 1/1/0001 00:00:00 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|---------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | sample | INT | | 11 | | True | False | False | True | False | | False | False | |
| | operator | VARCHAR | 40 | | | False | False | False | True | False | 'STEL S.A.' | False | False | |
| | enviroment | VARCHAR | 20 | | | False | False | False | False | False | | False | False | |
| | testName | VARCHAR | 120 | | | False | False | False | False | False | | False | False | |
| | endCap | VARCHAR | 10 | | | False | False | False | False | False | | False | False | |
| | failText | VARCHAR | 200 | | | False | False | False | True | False | 'Sin Fallas' | False | False | |
| | remark | VARCHAR | 200 | | | False | False | False | True | False | 'Sin Observaciones' | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|------------|---------------------------------|---------|--------|------|-------------|
| ⊞ ⊙ | | id | True | None | 0 |
| | FK_test_specimen_test_sample_id | sample | False | None | 0 |

Triggers

| Name | Туре | Event | Security | Definer |
|------------------|--------|--------|----------|---------|
| DeleteTest | BEFORE | DELETE | Definer | root |
| DeleteTestSample | AFTER | DELETE | Definer | root |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|---------------------------------|---------|-------------|-------------|
| FK_test_specimen_test_sample_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE specimen (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   sample int UNSIGNED NOT NULL,
   operator varchar(40) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'STEL S.A.',
   enviroment varchar(20) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci DEFAULT '',
   testName varchar(120) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci DEFAULT '',
   endGap varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci DEFAULT '',
   failText varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'Sin Fallas',
   remark varchar(200) CHARACTER SET utf8mb4 COLLATE utf8mb4_unicode_ci NOT NULL DEFAULT 'Sin Observaciones',
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)
ENGINE = INNODB,
   AVG_ROW_LENGTH = 910,
   CHARACTER SET utf8mb4,
   COLLATE utf8mb4_general_ci,
   COMMENT = 'Test specimen';

ALTER TABLE specimen
   ADD CONSTRAINT FK_test_specimen_test_sample_id FOREIGN KEY (sample)
   REFERENCES sample (id);
```

Depends On 1



Used By 17

== countSpecimens

insertData

insertSpecimen

selectSpecimen

selectCompareTests

selectTest

updateSpecimen

data

DeleteTest

7 DeleteTestSample

deleteTest

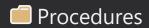
<u>≡</u> getSpecimenData

countSpecimens
selectTestNumber

selectTestSpecimen

selectTestsSpecimens

specimenExists



Objects 44

| Name | Description |
|-----------------------|-------------|
| countSpecimens | |
| deleteTest | |
| getSpecimenData | |
| <u>insertData</u> | |
| <u>insertSample</u> | |
| insertSpecimen | |
| selectCompareTests | |
| selectSample | |
| selectSampleID | |
| selectSpecimen | |
| selectTest | |
| <u>selectTestData</u> | |
| <u>selectTests</u> | |
| <u>updateSpecimen</u> | |
| | |



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE countSpecimens (IN idSample int UNSIGNED)

DETERMINISTIC

BEGIN

SELECT

COUNT(ts.sample) AS counts

FROM specimen ts

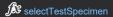
WHERE ts.sample = idSample;

END
```

Depends On 2



Used By 1





Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteTest (IN idSpecimen int UNSIGNED)

BEGIN

DELETE LOW_PRIORITY QUICK

FROM specimen ts

WHERE ts.id = idSpecimen;

END
```

Depends On 🛈



Used By

getSpecimenData

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|--------------|-----------|--------|-----------|-------|
| mySpecimenID | INT | | 11 | |

SQL Script

```
PROCEDURE getSpecimenData (IN mySpecimenID int UNSIGNED)
  CREATE TEMPORARY TABLE IF NOT EXISTS myResult AS (SELECT
     td.id,
     td.pressure,
     td.temperature,
     # td.createdAt,
(TIMESTAMPDIFF(MICROSECOND, (SELECT
         td2.createdAt
       FROM data td2
       WHERE td2.specimen = mySpecimenID LIMIT 1), td.createdAt)) AS `difference`
    FROM data td
    WHERE td.specimen = mySpecimenID);
    ts.id AS `idTest`,
        JSON_ARRAYAGG(JSON_OBJECT('id', r.id, 'pressure', r.pressure, 'temperature', r.temperature, 'timekey', r.differe
     FROM myResult r) AS `testData`
 FROM specimen ts
    INNER JOIN sample ts1
     ON ts.sample = ts1.id
 WHERE ts.id = mySpecimenID;
 DROP TEMPORARY TABLE IF EXISTS myResult;
```

Depends On 3



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|-------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| pressure | DOUBLE | 0 | | |
| temperature | DOUBLE | 0 | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE insertData (IN idSpecimen int UNSIGNED, IN pressure double, IN temperature double)

BEGIN

INSERT INTO data (specimen, pressure, temperature, createdAt)

VALUES (idSpecimen, pressure, temperature, NOW());

END
```

Depends On 3



specimen

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------------|-----------|--------|-----------|-------|
| standard | VARCHAR | 25 | | |
| material | VARCHAR | 10 | | |
| specification | VARCHAR | 6 | | |
| diamnom | INT | | 11 | |
| diamreal | INT | | 11 | |
| wallthick | INT | | 11 | |
| lenfree | INT | | 11 | |
| lentotal | INT | | 11 | |
| targetpressure | INT | | 11 | |
| targettemp | INT | | 11 | |
| condPeriod | VARCHAR | 15 | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE insertSample (IN standard varchar(25), IN material varchar(10), IN specification varchar(6), IN diamnom int UNSIGNED, IN diamneal int UNSIGNED, IN wallthick int UNSIGNED, IN lenfree int UNSIGNED, IN lentotal int UNSIGNED, IN targetpressure int, IN targettemp int, IN condPeriod varchar(15))

DETERMINISTIC

BEGIN

DECLARE EXIT HANDLER FOR SQLEXCEPTION

BEGIN

GET DIAGNOSTICS CONDITION 1 @sqlstate = RETURNED_SQLSTATE, @message = MESSAGE_TEXT;

SELECT

@message AS `idSample`;

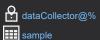
END;
```

```
INSERT INTO sample (standard, condPeriod, material, specification, targettemp, targetpressure, diamreal, diamnom,
wallthick, lenfree, lentotal)

VALUES (standard, condPeriod, material, specification, targettemp, targetpressure, diamreal, diamnom, wallthick
    , lenfree, lentotal);

SELECT
    ts.id AS `idSample`
FROM sample ts
ORDER BY ts.id DESC
LIMIT 1;
END
```

Depends On 2



Used By

insertSpecimen

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|--------------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |
| operatorName | VARCHAR | 40 | | |
| enviromentIn | VARCHAR | 20 | | |
| testNameIn | VARCHAR | 120 | | |
| endCapIn | VARCHAR | 10 | | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE insertSpecimen (IN idSample int UNSIGNED, IN operatorName varchar(40), IN environmentIn varchar(20), IN testNameIn varchar(120), IN endCapIn varchar(10))
BEGIN

INSERT INTO specimen (sample, operator, environment, testName, endCap, createdAt, updatedAt)
VALUES (idSample, operatorName, environmentIn, testNameIn, endCapIn, CURRENT_TIMESTAMP());

SELECT
ts.id AS `idSpecimen`
FROM specimen ts
ORDER BY ts.id DESC
LIMIT 1;

END
```

Depends On 3



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------------|-----------|--------|-----------|-------|
| arraySpecimens | TEXT | | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectCompareTests (IN arraySpecimens text)

DETERMINISTIC

BEGIN

SELECT

(selectTestSample(sa.id)) AS 'mySample',
 (selectTestSpecimen(se.id)) AS 'mySpecimen',
 (selectTestData(se.id)) AS 'mySpecimen',
 (selectTestData(se.id)) AS 'myData'

FROM specimen se

INNER JOIN sample sa
 ON se.sample = sa.id

WHERE FIND_IN_SET(se.id, arraySpecimens) > 0;
```

Depends On ¹

reportGenerator@%

selectTestSpecimen

selectTestData

specimen

sample

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE selectSample (IN idSample int UNSIGNED)
DETERMINISTIC
BEGIN

SELECT

s.id AS 'idSample',
s.standard AS 'standard',
s.material AS 'material',
s.specification AS 'specification',
s.diamreal AS 'diamreal',
s.diamnom AS 'diamnom',
s.wallthick AS 'wallthickness',
s.lenfree AS 'lenfree',
s.lentotal AS 'condPeriod',
s.condPeriod AS 'condPeriod',
s.targettemp AS 'targettemp',
s.targettpressure AS 'targetpressure'
FROM sample s
WHERE s.id = idSample;
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------------|-----------|--------|-----------|-------|
| standard | VARCHAR | 25 | | |
| material | VARCHAR | 10 | | |
| specification | VARCHAR | 6 | | |
| diamnom | INT | | 11 | |
| diamreal | INT | | 11 | |
| wallthick | INT | | 11 | |
| lenfree | INT | | 11 | |
| lentotal | INT | | 11 | |
| targetpressure | INT | | 11 | |
| targettemp | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectSampleID (IN standard varchar(25), IN material varchar(10), IN specification varchar(6), IN diamnom int UNSIGNED, IN diamreal int UNSIGNED, IN wallthick int UNSIGNED, IN lenfree int UNSIGNED, IN lentotal int UNSIGNED, IN targetpressure int, IN targettemp int)

DETERMINISTIC

BEGIN

SELECT

ts.id AS idSample

FROM sample ts

WHERE (ts.standard LIKE standard

AND ts.material LIKE material

AND ts.diamreal e diamreal

AND ts.diamrom = diamnom

AND ts.wallthick = wallthick

AND ts.lenfree = lenfree
```

AND ts.lentotal = lentotal
AND ts.targettemp = targettemp
AND ts.targetpressure = targetpressure);

END

Depends On ②
dataCollector@%
sample

Used By
No items found



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE selectSpecimen (IN idSpecimen int UNSIGNED)
DETERMINISTIC
BEGIN

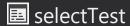
SELECT

s.id AS `idSpecimen`,
s.sample AS `idSample`,
s.enviroment AS `enviroment`,
s.testName AS `testName`,
s.operator AS `operator`,
s.endCap AS `endCap`
FROM specimen s
WHERE s.id = idSpecimen;
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectTest (IN idSpecimen int UNSIGNED)

DETERMINISTIC

BEGIN

SELECT
    (selectTestSample(sa.id)) AS 'mySample',
    (selectTestSpecimen(se.id)) AS 'mySpecimen'

FROM specimen se
    INNER JOIN sample sa
    ON se.sample = sa.id

WHERE se.id = idSpecimen;

END
```

Depends On 💿



reportGenerator@%



€ selectTestSpecimen

specimen

sample

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |

SQL Script

```
PROCEDURE selectTestData (IN idSpecimen int UNSIGNED)
     td.createdAt
   FROM data td
   WHERE td.specimen = idSpecimen
   ORDER BY td.createdAt ASC LIMIT 1);
 WITH groupingData
     td.createdAt,
     AVG(td.pressure) AS 'pressure',
     AVG(td.temperature) AS 'temperature'
   FROM data td
   WHERE td.specimen = idSpecimen
   GROUP BY td.createdAt)
   TIMESTAMPDIFF(SECOND, @initTime, gd.createdAt) AS 'key',
   gd.pressure AS 'pressure',
   gd.temperature AS 'temperature'
  FROM groupingData gd;
```

Depends On 2





selectCompareTests



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectTests ()

DETERMINISTIC

BEGIN

SELECT

ts.id AS idSample,
ts.standard AS standard,
ts.material AS material,
selectTestsSpecimens(ts.id) AS mySpecimens

FROM sample ts;

END
```

Depends On 3

reportGenerator@%

selectTestsSpecimens

sample

Used By

updateSpecimen

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| testName | VARCHAR | 150 | | |
| operator | VARCHAR | 40 | | |
| fail | VARCHAR | 255 | | |
| remark | VARCHAR | 255 | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE updateSpecimen (IN idSpecimen int UNSIGNED, IN testName varchar(150), IN operator varchar(40), IN fail varchar(255), IN remark varchar(255))

BEGIN

UPDATE LOW_PRIORITY specimen ts

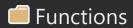
SET ts.testName = testName,
    ts.operator = operator,
    ts.failText = fail,
    ts.remark = remark,
    ts.updatedAt = CURRENT_TIMESTAMP()

WHERE ts.id = idSpecimen;
```

Depends On 2



Used By



Objects ³

| Name | Description |
|-------------------------|-------------|
| countSpecimens | |
| <u>selectTestData</u> | |
| <u>selectTestLimit</u> | |
| <u>selectTestNumber</u> | |
| <u>selectTestSample</u> | |
| selectTestSpecimen | |
| selectTestsSpecimens | |
| <u>specimenExists</u> | |



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| (Result) | INT | | 11 | |

SQL Script

Depends On 1



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
FUNCTION selectTestData (idSpecimen int UNSIGNED)
     td.createdAt
   FROM data td
   WHERE td.specimen = idSpecimen
   ORDER BY td.createdAt ASC LIMIT 1);
 WITH groupingData
     td.createdAt,
     AVG(td.pressure) AS 'pressure',
     AVG(td.temperature) AS 'temperature'
   FROM data td
   WHERE td.specimen = idSpecimen
   GROUP BY td.createdAt)
    TIMESTAMPDIFF(SECOND, @initTime, gd.createdAt),
   gd.pressure,
   gd.temperature)) INTO @returnData
  FROM groupingData gd;
```

ENI

Depends On 🛈



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| isASC | TINYINT | | 4 | |
| (Result) | DATETIME | | 0 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTestLimit (idSpecimen int UNSIGNED, isASC tinyint UNSIGNED)
RETURNS datetime
DETERMINISTIC
BEGIN

SET @Time = NULL;

IF isASC = 0 THEN
SELECT
td.createdAt INTO @Time
FROM data td
WHERE td.specimen = idSpecimen
ORDER BY td.createdAt ASC LIMIT 1;
ELSE
SELECT
td.createdAt INTO @Time
FROM data td
WHERE td.specimen = idSpecimen
ORDER BY td.createdAt DESC LIMIT 1;
ELSE
SELECT
Td.createdAt INTO @Time
FROM data td
WHERE td.specimen = idSpecimen
ORDER BY td.createdAt DESC LIMIT 1;
END IF;

RETURN @Time;
END
```

Depends On 1







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:05:27 |
| Last Modified | 11/6/2024 11:05:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| (Result) | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTestNumber (idSpecimen int UNSIGNED)
RETURNS int(11) UNSIGNED
DETERRINISTIC
BEGIN
SET @testNumber = 0;

SET @sampleID = (SELECT
    ts.sample
    FROM specimen ts
    WHERE ts.id = idSpecimen);

SELECT
    COUNT(*) INTO @testNumber
FROM specimen ts
WHERE ts.id <= idSpecimen
AND ts.sample = @sampleID
GROUP BY ts.sample;

RETURN @testNumber;
END
```

Depends On •



Used By 2





Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:05:27 | |
| Last Modified | 11/6/2024 11:05:27 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTestSample (idSample int UNSIGNED)
RETURNS | |
SON | |
DETERMINISTIC |
BEGIN |

SELECT | |
JSON | | |
JSON | | |
Sa.id, | |
'standard', | |
sa.standard, |
'material', |
sa.material, |
'specification', |
sa.specification, |
'diameterReal', |
sa.diamreal, |
'diameterReal', |
sa.diamom, |
'wallThickness', |
sa.wallthick, |
'lengthTotal, |
'lengthFree', |
sa.lenfotal, |
'sa.targetTempenature', |
sa.targetTempenature', |
sa.targetTempenature', |
sa.targetTempenature', |
sa.targetTempssure, |
'sonoStress' |
((sa.targetTemp * (sa.diamreal - sa.wallthick)) / (10 * 2 * sa.wallthick)), 'conditionalPeriod', |
```

sa.condPeriod) INTO @result
FROM sample sa
WHERE sa.id = idSample;

RETURN @result;
END

Depends On
sample

Used By
selectCompareTests
selectTest



Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:05:27 | |
| Last Modified | 11/6/2024 11:05:27 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idSpecimen | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTestSpecimen (idSpecimen int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

SET @result = NULL;

SET @countSpecimens = countSpecimens(idSpecimen);

SET @beginTime = selectTestLimit(idSpecimen, 0);

SET @endTime = selectTestLimit(idSpecimen, 1);

SET @testNumber = selectTestNumber(idSpecimen);

SELECT
JSON_OBJECT('idSpecimen',
se.id,
'operator',
se.operator,
'environment',
se.environment,
'beginTime',
DATE_FORNAT(MeginTime,
'Xd/Xm/XY %H:Xi:Xi:Xi'),
'endTime',
DATE_FORNAT(TIMEDIFF(@endTime,
'Xd/Xm/XY %H:Xi:Xi'),
'duration',
DATE_FORNAT(TIMEDIFF(@endTime,
@beginTime),
'XH:Xi:Xs'),
'rounts'.
```

```
## CountSpecimens

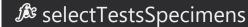
| 'testNumber',
| #testNumber,
| 'testNumber,
| 'testNumber,
| 'testNumber,
| 'testNumber,
| 'se.testNume,
| 'endCap',
| se.endCap,
| 'fail',
| se.failText,
| 'remark',
| se.remark) INTO @result
| FROM specimen se
| WHERE se.id = idSpecimen;
| RETURN @result;
| END

| Depends On 
| CountSpecimens
| SelectTestLimit
| SelectTestNumber
| Image: Specimen selectTestNumber | Image: Specimen selectTestNumber | Image: Specimen selectTestNumber | Image: Specimen selectTestNumber | Image: Specimen | I
```

Used By 2

selectCompareTests

selectTest



Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:05:27 | |
| Last Modified | 11/6/2024 11:05:27 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTestSpecimens (idSample int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN
SET @myResult = NULL;

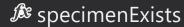
WITH preResults
AS
(SELECT
ts.id,
ts.openator,
selectTestNumber(ts.id) AS testNumber,
(selectTestLimit(ts.id, 0)) AS beginTime,
(selectTestLimit(ts.id, 1)) AS endTime
FROM speciment ts
WHERE ts.sample = idSample)

(SELECT
JSON_ARRAYAGG(JSON_OBJECT('idSpecimen', pr.id,
    'operator', pr.operator, 'testNumber', pr.testNumber, 'beginTime', DATE_FORMAT(pr.beginTime, '%d/%m/%Y
%H:%I'.S', 'endTime', DATE_FORMAT(
TIMEDIFF(pr.endTime, pr.beginTime), '%H:%I:%S'))) INTO @myResult
FROM preResults pr
ORDER BY pr.id DESC);

RETURN @myResult;
END
```

Depends On 3





Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | sqL | |
| Created | 11/6/2024 11:05:27 | |
| Last Modified | 11/6/2024 11:05:27 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| idSample | INT | | 11 | |
| start | VARBINARY | 255 | | |
| (Result) | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

FUNCTION specimenExists (idSample int UNSIGNED, start varbinary(255))

RETURNS int(11) UNSIGNED

DETERMINISTIC

BEGIN

DECLARE idSpecimen boolean;

SELECT

ts.id INTO idSpecimen

FROM specimen ts

WHERE (ts.sample = idSample

AND ts.start = start)

LIMIT 1;

RETURN idSpecimen;

END
```

Depends On •



Used By

Project / Servers / Local_Development / Databases / data_db / Triggers

Triggers

Objects

Name

DeleteTest

DeleteTestSample

NewSample

DeleteTest

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | DELETE |
| Timing | BEFORE |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:05:48 |

SQL Script

```
CREATE

DEFINER = 'root'

TRIGGER DeleteTest

BEFORE DELETE

ON specimen

FOR EACH ROW

BEGIN

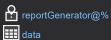
DELETE LOW_PRIORITY QUICK

FROM data td

WHERE td.specimen = OLD.id;

END
```

Depends On 3



specimen

Used By

DeleteTestSample

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | DELETE |
| Timing | AFTER |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:05:48 |

SQL Script

```
CREATE

DEFINER = 'root'

TRIGGER DeleteTestSample

AFTER DELETE

ON specimen

FOR EACH ROW

BEGIN

SET @countTests = 0;

SELECT

COUNT(*) INTO @countTests

FROM specimen ts

WHERE ts.sample = OLD.sample;

IF @countTests < 1 THEN

DELETE LOW_PRIORITY QUICK

FROM sample

WHERE sample.id = OLD.sample;

END IF;
```

Depends On 2



Used By

NewSample

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | INSERT |
| Timing | BEFORE |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:05:48 |

SQL Script

```
TRIGGER NewSample
ON sample
 DECLARE row_id int UNSIGNED;
   s.id INTO row_id
 FROM sample s
 WHERE s.standard LIKE NEW.standard
 AND s.material LIKE NEW.material
 AND s.specification LIKE NEW.specification
 AND s.diamreal = NEW.diamreal
 AND s.diamnom = NEW.diamnom
 AND s.lentotal = NEW.lentotal
 AND s.lenfree = NEW.lenfree
 AND s.wallthick = NEW.wallthick
 AND s.targettemp = new.targettemp
 AND s.targetpressure = NEW.targetpressure;
  IF row_id IS NOT NULL THEN
   SIGNAL SQLSTATE '45000' SET MESSAGE_TEXT = row_id;
```

Depends On **1**



Used By

static_db

Properties

| Name | Value |
|-----------|--------------------|
| Collation | utf8mb4_0900_ai_ci |

Object Types 4

Tables

Procedures



7 Triggers



Objects 10

| Name | Description |
|-----------------------------|--|
| conditional_period | Conditional Period related to Standard |
| endcap | |
| enviroment | Enviroments |
| material | Material of Hoop |
| material_has_standard | |
| <u>operator</u> | |
| specification | Specification of material |
| specification_configuration | Conditional period by Specification |
| standard | Standards: ISO, IRAM, |
| test_type | |

■ conditional_period

Description

Conditional Period related to Standard

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 3276 |
| Charset | utf8mb4 |
| Collation | utf8mb4_unicode_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 24/6/2024 22:36:05 |
| Last Modified | 24/6/2024 23:37:02 |

Columns

| Key N | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|---------|------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| id □ | d | INT | | 11 | | True | False | False | True | True | | False | False | |
| st | standard | INT | | 11 | | True | False | False | True | False | | False | False | |
| tir | ime | INT | | 11 | | True | False | False | True | False | '0' | False | False | |
| tir | imeType | VARCHAR | 3 | | | False | False | False | True | False | 'h' | False | False | |
| aı | aproxTime | INT | | 11 | | True | False | False | True | False | '0' | False | False | |
| aı | aproxType | VARCHAR | 3 | | | False | False | False | True | False | 'min' | False | False | |
| m | minwall | INT | | 11 | | True | False | False | True | False | | False | False | |
| m | maxwall | INT | | 11 | | True | False | False | True | False | | False | False | |
| cr | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| u | updatedtAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|------------|-----------------------------------|----------|--------|------|-------------|
| ⊞ ⊙ | | id | True | None | 0 |
| | FK_conditional_period_standard_id | standard | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|-----------------------------------|---------|-------------|-------------|
| FK_conditional_period_standard_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE conditional_period (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   standard int UNSIGNED NOT NULL DEFAULT 0,
   time int UNSIGNED NOT NULL DEFAULT 0,
   timeType varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL DEFAULT 'h',
   aproxTime int UNSIGNED NOT NULL DEFAULT 0,
   aproxType varchar(3) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL DEFAULT 'min',
   minwall int UNSIGNED NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAtA datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)

ENGINE = INNODB,
   AVG_ROW_LENGTH = 3276,
   CHARACTER SET utf8mb4,
   COLLATE utf8mb4_unicode_ci,
   COMMENT = 'Conditional Period related to Standard';

ALTER TABLE conditional_period
   ADD CONSTRAINT FK_conditional_period_standard_id FOREIGN KEY (standard)
   REFERENCES standard (id);
```

Depends On 🕡



Used By 🕖

selectConditionalPeriods

deleteConditionalPeriod

insertConditionalPeriod

selectStandarsComplete

sexistConditionalPeriod

selectConditionalPeriods_has_Standard

5 deleteStandardChilds



Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 5461 |
| Charset | latin1 |
| Collation | latin1_swedish_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 24/6/2024 18:35:57 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-----------|-----------|--------|-----------|-------|----------|----------|--------|------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | standard | INT | | 11 | | True | False | False | True | False | | False | False | |
| | name | VARCHAR | 15 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|------------|-----------------------|----------|--------|------|-------------|
| ⊞ ⊙ | | id | True | None | 0 |
| | FK_endcap_standard_id | standard | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|-----------------------|---------|-------------|-------------|
| FK_endcap_standard_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE endcap (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   standard int UNSIGNED NOT NULL,
   name varchar(15) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)
ENGINE = INNODB,
AVG_ROW_LENGTH = 5461,
CHARACTER SET latin1,
COLLATE latin1_swedish_ci;

ALTER TABLE endcap
ADD CONSTRAINT FK_endcap_standard_id FOREIGN KEY (standard)
REFERENCES standard (id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Depends On ①



Used By 🕡

selectEndCaps

deleteEndCap

insertEndCap

selectStandarsComplete

€ existEndCap

selectEndCaps_has_Standard

deleteStandardChilds

= enviroment

Description

Enviroments

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 4096 |
| Charset | latin1 |
| Collation | latin1_swedish_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 24/6/2024 18:52:43 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-----------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | standard | INT | | 11 | | True | False | False | True | False | | False | False | |
| | inside | VARCHAR | 30 | | | False | False | False | True | False | | False | False | |
| | outside | VARCHAR | 30 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|----------|---------------------------|----------|--------|------|-------------|
| ⊞ | | id | True | None | 0 |
| | FK_enviroment_standard_id | standard | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|---------------------------|---------|-------------|-------------|
| FK_enviroment_standard_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE enviroment (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   standard int UNSIGNED NOT NULL,
   inside varchar(30) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   outside varchar(30) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)

ENGINE = INNODB,
   AVG_ROW_LENGTH = 4096,
   CHARACTER SET latin1,
   COLLATE latin1_swedish_ci,
   COMMENT = 'Enviroments';

ALTER TABLE enviroment
   ADD CONSTRAINT FK_enviroment_standard_id FOREIGN KEY (standard)
   REFERENCES standard (id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Depends On **4**



Used By 🕡

selectEnviroment

deleteEnviroment

insertEnviroment

selectStandarsComplete

æ existEnviroment

selectEnviroments_has_Standard

deleteStandardChilds



Material of Hoop

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 14 |
| Average Row Length | 16384 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 25/6/2024 00:48:45 |
| Last Modified | 24/6/2024 16:36:35 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-------------|-----------|--------|-----------|-------|----------|----------|--------|------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | name | VARCHAR | 15 | | | False | False | False | True | False | | False | False | |
| | description | VARCHAR | 120 | | | False | False | False | True | False | 'Sin descripción' | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|------------|------|---------|--------|------|-------------|
| ⊞ ⊙ | | id | True | None | 0 |

Triggers

| Manage | | Forms | 0 | B. Carri |
|--------|------|-------|----------|----------|
| Name | Туре | Event | Security | Definer |

deleteMaterialChilds BEFORE DELETE Definer root

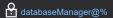
Permissions

| Action | Owner |
|--------|-------------------|
| SELECT | databaseManager@% |

SQL Script

```
CREATE TABLE material (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   name varchar(15) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   description varchar(120) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL DEFAULT 'Sin descripción',
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)
ENGINE = INNODB,
AVG_ROW_LENGTH = 16384,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_general_ci,
COMMENT = 'Material of Hoop';
```

Depends On 1



Used By 🚯

- selectMaterials
- deleteMaterial
- insertMaterial
- moortiviatoriai
- insertRelatedMaterial
- insertSpecification
- selectMaterialsJSON
- updateMaterial
- **5** deleteMaterialChilds
- material_has_standard
- specification
- selectStandarsComplete
- 🏂 existMaterial
- selectMaterials_has_Standard

material_has_standard

Description

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 8192 |
| Charset | utf8mb4 |
| Collation | utf8mb4_0900_ai_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 24/6/2024 16:36:44 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-----------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | material | INT | | 11 | | True | False | False | True | False | | False | False | |
| | standard | INT | | 11 | | True | False | False | True | False | | False | False | |
| | type | VARCHAR | 25 | | | False | False | False | True | False | 'Plastico' | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|----------|--------------------------------------|----------|--------|------|-------------|
| ⊞ | | id | True | None | 0 |
| | FK_material_has_standard_material_id | material | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|--------------------------------------|---------|-------------|-------------|
| FK_material_has_standard_material_id | id | N/S | N/S |
| FK_material_has_standard_standard_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE material_has_standard (
  material int UNSIGNED NOT NULL,
  standard int UNSIGNED NOT NULL,
  type varchar(25) NOT NULL DEFAULT 'Plastico',
createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_0900_ai_ci;
ALTER TABLE material_has_standard
ADD CONSTRAINT FK_material_has_standard_material_id FOREIGN KEY (material)
REFERENCES material (id) ON DELETE CASCADE ON UPDATE CASCADE;
ALTER TABLE material_has_standard
{\tt ADD} \ \ {\tt CONSTRAINT} \ \ {\tt FK\_material\_has\_standard\_id} \ \ {\tt FOREIGN} \ \ {\tt KEY} \ \ ({\tt standard})
REFERENCES standard (id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Depends On 2



material







insertRelatedMaterial

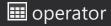


sexistRelatedMaterial

selectMaterials_has_Standard

deleteMaterialChilds

deleteStandardChilds



Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 2730 |
| Charset | utf8mb4 |
| Collation | utf8mb4_0900_ai_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 1/1/0001 00:00:00 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | | Auto Increment | Default | Virtual | Invisible | Description |
|-----|------------|-----------|--------|-----------|-------|----------|----------|--------|------|-------------------|----------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | dni | INT | | 11 | | True | False | False | True | False | | False | False | |
| | name | VARCHAR | 50 | | | False | False | False | True | False | | False | False | |
| | familyname | VARCHAR | 50 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 4 | | False | False | False | True | False | CURRENT_TIMESTAMP(4) | False | False | |
| | updatedAt | DATETIME | | 4 | | False | False | False | True | False | CURRENT_TIMESTAMP(4) | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|-----|------|---------|--------|------|-------------|
| ₩ | | id | True | None | 0 |

SQL Script

```
CREATE TABLE operator (
id int UNSIGNED NOT NULL AUTO_INCREMENT,
dni int UNSIGNED NOT NULL,
```

```
name varchar(50) NOT NULL,
familyname varchar(50) NOT NULL,
createdAt datetime(4) NOT NULL DEFAULT CURRENT_TIMESTAMP(4),
updatedAt datetime(4) NOT NULL DEFAULT CURRENT_TIMESTAMP(4) ON UPDATE CURRENT_TIMESTAMP(4),
PRIMARY KEY (id)
)
ENGINE = INNODB,
AVG_ROW_LENGTH = 2730,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_0900_ai_ci;
```

Depends On

No items found

Used By



selectOperators



selectOperatorsJSON



specification

Description

Specification of material

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 22 |
| Average Row Length | 16384 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 25/6/2024 00:48:11 |
| Last Modified | 24/6/2024 23:46:56 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | material | INT | | 11 | | True | False | False | True | False | | False | False | |
| | name | VARCHAR | 15 | | | False | False | False | True | False | | False | False | |
| | description | VARCHAR | 120 | | | False | False | False | True | False | 'Sin Descripción' | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|----------|------------------------------|----------|--------|------|-------------|
| ⊞ | | id | True | None | 0 |
| | FK_specification_material_id | material | False | None | 0 |

Triggers

| Name | Туре | Event | Security | Definer |
|----------------------------|--------|--------|----------|---------|
| deleteConfigurationsChilds | BEFORE | DELETE | Definer | root |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|------------------------------|---------|-------------|-------------|
| FK_specification_material_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE specification (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   material int UNSIGNED NOT NULL,
   name varchar(15) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
   description varchar(120) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL DEFAULT 'Sin Descripción',
   createdAt datetime NOT NULL,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)
ENGINE = INNODB,
   AVG_ROW_LENGTH = 16384,
   CHARACTER SET utf8mb4,
   COLLATE utf8mb4_general_ci,
   COMMENT = 'Specification of material';

ALTER TABLE specification
ADD CONSTRAINT FK_specification_material_id FOREIGN KEY (material)
   REFERENCES material (id) ON UPDATE CASCADE;
```

Depends On 1



Used By 12

- selectSpecifications
- deleteSpecification
- insertSpecification
- insertSpecification_Configuration
- updateSpecification
- deleteConfigurationsChilds
- specification_configuration
- sexistConfiguration
- existSpecification
- 🏂 existSpecimen
- selectSpecifications
- **5** deleteMaterialChilds

■ specification_configuration

Description

Conditional period by Specification

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 8192 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 1/1/0001 00:00:00 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|-----|---------------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | specification | INT | | 11 | | True | False | False | True | False | | False | False | |
| | time | SMALLINT | | 6 | | True | False | False | True | False | | False | False | |
| | timeType | VARCHAR | | | | False | False | False | True | False | 'Н' | False | False | |
| | temperature | TINYINT | | 4 | | True | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|------------|------|---------|--------|------|-------------|
| ⊞ ⊙ | | id | True | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|---|---------|-------------|-------------|
| FK_specification_configuration_specification_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE specification_configuration (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   specification int UNSIGNED NOT NULL,
   time smallint UNSIGNED NOT NULL,
   timeType varchar(1) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL DEFAULT 'H',
   temperature tinyint UNSIGNED NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)

ENGINE = INNODB,
   AVG_ROW_LENGTH = 8192,
   CHARACTER SET utf8mb4,
   COLLATE utf8mb4_general_ci,
   COMMENT = 'Conditional period by Specification';

ALTER TABLE specification_configuration
   ADD INDEX FK_period_by_material_material_id (specification);

ALTER TABLE specification_configuration
   ADD CONSTRAINT FK_specification_configuration_specification_id FOREIGN KEY (specification)
   REFERENCES specification (id) ON UPDATE CASCADE;
```

Depends On 1



Used By 🕡

selectSettingsSpecification

deleteSpecification_Configuration

insertSpecification_Configuration

updateSpecification_Configuration

sexistSpecification_Configuration

selectSpecification_Configurations

deleteConfigurationsChilds

standard

Description

Standards: ISO, IRAM, ...

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 7 |
| Average Row Length | 16384 |
| Charset | utf8mb4 |
| Collation | utf8mb4_general_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 24/6/2024 14:14:44 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | Not Null | Auto Increment | Default | Virtual | Invisible | Description |
|----------|-----------|-----------|--------|-----------|-------|----------|----------|--------|-------------|-------------------|-------------------|---------|-----------|-------------|
| ₽ | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | name | VARCHAR | 60 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | False | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|----------|------|---------|--------|------|-------------|
| ⊞ | | id | True | None | 0 |

Triggers

| Name | Туре | Event | Security | Definer |
|----------------------|--------|--------|----------|---------|
| deleteStandardChilds | BEFORE | DELETE | Definer | root |

SQL Script

```
CREATE TABLE standard (
  name varchar(60) CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci NOT NULL,
  createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
updatedAt datetime DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_general_ci,
```

Depends On

Used By 19

selectMaterials

selectStandards deleteStandard

insertConditionalPeriod

insertEndCap

insertEnviroment

insertRelatedMaterial

insertStandard

insertTestType

selectStandardsJSON

updateStandard

conditional_period

endcap

enviroment

material_has_standard

5 deleteStandardChilds

test_type

selectStandarsComplete

sexistStandard

test_type

Description

Properties

| Name | Value |
|-----------------------------|--------------------|
| Engine | InnoDB |
| Auto Increment | 0 |
| Average Row Length | 0 |
| Charset | utf8mb4 |
| Collation | utf8mb4_0900_ai_ci |
| Row Format | Dynamic |
| Min Rows | 0 |
| Max Rows | 0 |
| Checksum | False |
| Page Checksum | True |
| Pack Keys | False |
| Delay Key Write | False |
| Is Partitioned | False |
| Encryption | False |
| Persistent Statistics | DEFAULT |
| Auto Recalculate Statistics | DEFAULT |
| Sample Pages | 0 |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 24/6/2024 23:38:54 |

Columns

| Key | Name | Data Type | Length | Precision | Scale | Unsigned | Zerofill | Binary | | Auto Increment | Default | Virtual | Invisible | Description |
|-----|-----------|-----------|--------|-----------|-------|----------|----------|--------|------|-------------------|-------------------|---------|-----------|-------------|
| | id | INT | | 11 | | True | False | False | True | True | | False | False | |
| | standard | INT | | 11 | | True | False | False | True | False | | False | False | |
| | testType | VARCHAR | 150 | | | False | False | False | True | False | | False | False | |
| | createdAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |
| | updatedAt | DATETIME | | 0 | | False | False | False | True | False | CURRENT_TIMESTAMP | False | False | |

Indexes

| Key | Name | Columns | Unique | Туре | Key Lengths |
|----------|--------------------------|----------|--------|------|-------------|
| ⊞ | | id | True | None | 0 |
| | FK_test_type_standard_id | standard | False | None | 0 |

Foreign Keys

| Name | Columns | Delete Rule | Update Rule |
|--------------------------|---------|-------------|-------------|
| FK_test_type_standard_id | id | N/S | N/S |

SQL Script

```
CREATE TABLE test_type (
   id int UNSIGNED NOT NULL AUTO_INCREMENT,
   standard int UNSIGNED NOT NULL,
   testType varchar(150) NOT NULL,
   createdAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP,
   updatedAt datetime NOT NULL DEFAULT CURRENT_TIMESTAMP ON UPDATE CURRENT_TIMESTAMP,
   PRIMARY KEY (id)
)

ENGINE = INNODB,
CHARACTER SET utf8mb4,
COLLATE utf8mb4_0900_ai_ci;

ALTER TABLE test_type
ADD CONSTRAINT FK_test_type_standard_id FOREIGN KEY (standard)
REFERENCES standard (id) ON DELETE CASCADE ON UPDATE CASCADE;
```

Depends On 1



Used By 6

selectTestType









selectTest_Type

Procedures

Objects 38

| Name | Description |
|------------------------------------|--|
| <u>deleteConditionalPeriod</u> | |
| <u>deleteEndCap</u> | |
| deleteEnviroment | |
| deleteMaterial | |
| deleteOperator | |
| <u>deleteRelatedMaterial</u> | |
| deleteSpecification | |
| deleteSpecification_Configuration | |
| deleteStandard | |
| deleteTestType | |
| insertConditionalPeriod | Insertion of new Conditional Period |
| insertEndCap | |
| insertEnviroment | |
| insertMaterial | |
| insertOperator | |
| insertRelatedMaterial | |
| insertSpecification | |
| insertSpecification Configuration | |
| insertStandard | |
| <u>insertTestType</u> | |
| selectConditionalPeriods | Selection of Conditional Periods by Standard |
| <u>selectEndCaps</u> | |
| <u>selectEnviroment</u> | |
| <u>selectMaterials</u> | |
| <u>selectMaterialsJSON</u> | |
| <u>selectOperators</u> | |
| <u>selectOperatorsJSON</u> | |
| <u>selectSettingsSpecification</u> | |
| <u>selectSpecifications</u> | |
| <u>selectStandards</u> | |
| <u>selectStandardsJSON</u> | |
| <u>selectStandarsComplete</u> | |
| <u>selectTestType</u> | |

| <u>updateMaterial</u> | |
|-----------------------------------|--|
| updateOperator | |
| updateSpecification | |
| updateSpecification_Configuration | |
| updateStandard | |
| | |

deleteConditionalPeriod

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 24/6/2024 22:49:34 |
| Last Modified | 24/6/2024 22:49:34 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteConditionalPeriod (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

If (existConditionalPeriod(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM conditional_period cp

WHERE cp.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3



existConditionalPeriod

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteEndCap (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existEndCap(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM endcap cp

WHERE cp.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%



endcap

Used By

deleteEnviroment

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteEnviroment (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existEnviroment(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM enviroment e

WHERE e.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%

existEnviroment

Used By

deleteMaterial

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteMaterial (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existMaterial(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM material m

WHERE m.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3





Used By

deleteOperator

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 11/6/2024 11:06:03 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteOperator (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existOperator(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM operator o

WHERE o.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%



Used By

deleteRelatedMaterial

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteRelatedMaterial (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existRelatedMaterial(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM material_has_standard mhs

WHERE mhs.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%

existRelatedMaterial
material_has_standard

Used By

deleteSpecification

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteSpecification (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existSpecification(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM specification s

WHERE s.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%

existSpecification

specification

Used By

deleteSpecification_Configuration

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE deleteSpecification_Configuration (IN id int UNSIGNED)
DETERMINISTIC
BEGIN

IF (existSpecification_Configuration(id) = TRUE) THEN
DELETE LOW_PRIORITY QUICK
FROM specification_configuration sc
WHERE sc.id = id
LIMIT 1;

SELECT
'Successful Deleted!' AS `response`;
ELSE
SELECT
'Unsuccessful Deleted!' AS `response`;
END IF;

END
```

Depends On 3

databaseManager@%

sexistSpecification_Configuration

specification_configuration

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteStandard (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existStandard(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM standard s

WHERE s.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%

existStandard
standard

Used By

deleteTestType

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------|-----------|--------|-----------|-------|
| id | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE deleteTestType (IN id int UNSIGNED)

DETERMINISTIC

BEGIN

IF (existTest_Type(id) = TRUE) THEN

DELETE LOW_PRIORITY QUICK

FROM test_type tt

WHERE tt.id = id

LIMIT 1;

SELECT

'Successful Deleted!' AS `response`;

ELSE

SELECT

'Unsuccessful Deleted!' AS `response`;

END IF;
```

Depends On 3

databaseManager@%

control con

Used By

insertConditionalPeriod

Description

Insertion of new Conditional Period

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 24/6/2024 22:41:34 |
| Last Modified | 24/6/2024 22:41:34 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| minwall | INT | | 11 | |
| maxwall | INT | | 11 | |
| time | INT | | 11 | |
| timeType | VARCHAR | 3 | | |
| aproxTime | INT | | 11 | |
| aproxType | VARCHAR | 3 | | |

```
CREATE
DEFINER = 'root'
PROCEDURE insertConditionalPeriod (IN idStandard int UNSIGNED, IN minwall int UNSIGNED, IN maxwall int UNSIGNED, IN time int UNSIGNED, IN timeType varchar(3), IN aproxTime int UNSIGNED, IN aproxType varchar(3))
DETERMINISTIC
COMMENT 'Insertion of new Conditional Period'
BEGIN

DECLARE elements int UNSIGNED;

SELECT
COUNT(*) INTO elements
FROM conditional_period cp
WHERE cp.standard = idStandard
AND cp.minwall = minwall
AND cp.maxwall = maxwall
AND cp.time = time
AND cp.timeType LIKE timeType
AND cp.aproxTime = aproxTime
AND cp.aproxTime = aproxTime
AND cp.aproxType LIKE aproxType;

IF elements = 0 THEN
INSERT HIGH_PRIORITY INTO conditional_period (standard, time, timeType, aproxTime, aproxType, minwall, maxwall)
```

```
VALUES (idStandard, time, timeType, aproxTime, aproxType, minwall, maxwall);

SELECT
cp.id AS 'key',
CONCAT(CONVERT(cp.time, char), ' ', cp.timeType, ' ± ', CONVERT(cp.aproxTime, char), '
', cp.aproxType) AS 'condperiod',
cp.minwall AS 'minwall',
cp.maxwall AS 'maxwall'
FROM conditional_period cp
WHERE cp.standard = idStandard
AND cp.minwall = minwall
AND cp.maxwall = maxwall
AND cp.time LIKE time;

ELSE
SELECT
'Already Exist!' AS 'response';
END IF;

END
```

Depends On 3



standard

Used By

No itome found

■ insertEndCap

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| endCap | VARBINARY | 15 | | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE insertEndCap (IN idStandard int UNSIGNED, IN endCap varbinary(15))
DETERMINISTIC
BEGIN

DECLARE elements int UNSIGNED;

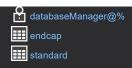
SELECT
COUNT(*) INTO elements
FROM endCap ec
WHERE ec.name = endCap
AND ec.name = endCap;

If elements = 0 THEN
INSERT HIGH_PRIORITY INTO endCap (standard, name)
VALUES (idStandard, endCap);

SELECT
ec.id AS 'key',
ec.name AS 'endCap'
FROM endCap ec
WHERE ec.name = endCap
AND ec.name = endCap
AND ec.name = endCap;

ELSE
SELECT
'Already Exist!' AS 'response';
END IF;
```

Depends On 3



Used By

insertEnviroment

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|--------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| insideFluid | VARCHAR | 30 | | |
| outsideFluid | VARCHAR | 30 | | |

```
PROCEDURE insertEnviroment (IN idStandard int UNSIGNED, IN insideFluid varchar(30), IN outsideFluid varchar(30))
 DECLARE elements int UNSIGNED;
   COUNT(*) INTO elements
 FROM enviroment e
 WHERE e.standard = idStandard
 AND e.inside LIKE insideFluid
  AND e.outside LIKE outsideFluid;
  IF elements = 0 THEN
   INSERT HIGH_PRIORITY INTO environment (standard, inside, outside)
     VALUES (idStandard, insideFluid, outsideFluid);
     e.id AS `key`,
     e.inside AS `insideFluid`,
     e.outside AS `outsideFluid`
    FROM enviroment e
   WHERE e.standard = idStandard
   AND e.inside LIKE insideFluid
   AND e.outside LIKE outsideFluid;
     'Already Exist!' AS `response`;
```

Depends On 3

One databaseManager@%

Used By

No items found

enviroment standard

insertMaterial

Description

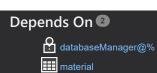
Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 25/6/2024 00:54:27 |
| Last Modified | 25/6/2024 00:54:27 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|---------------|-----------|--------|-----------|-------|
| namelN | VARCHAR | 20 | | |
| descriptionIN | VARCHAR | 60 | | |

```
PROCEDURE insertMaterial (IN nameIN varchar(20), IN descriptionIN varchar(60))
 DECLARE selected bigint;
 DECLARE result json;
   COUNT(*) INTO selected
 FROM material m
 WHERE m.name LIKE nameIN;
  IF (selected = 0) THEN
   INSERT INTO material (name, description)
     VALUES (nameIN, descriptionIN);
     m.id AS `key`,
     m.name AS `material`,
     m.description AS `description`,
     '[]' AS `specifications`
   FROM material m
    WHERE m.name = nameIN;
      'Already Exists!' AS `response`;
```



Used By

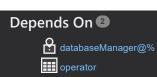


Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 11/6/2024 11:06:03 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| dni | INT | | 11 | |
| name | VARCHAR | 20 | | |
| familyname | VARCHAR | 30 | | |



Used By

■ insertRelatedMaterial

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| idMaterial | INT | | 11 | |

```
PROCEDURE insertRelatedMaterial (IN idStandard int UNSIGNED, IN idMaterial int UNSIGNED)
 DECLARE elements int UNSIGNED;
   COUNT(*) INTO elements
  FROM material_has_standard mhs
 WHERE mhs.material = idMaterial
 AND mhs.standard = idStandard;
  IF elements = 0 THEN
    INSERT HIGH_PRIORITY INTO material_has_standard (material, standard)
     VALUES (idMaterial, idStandard);
     mhs.id AS `key`,
     m.id AS `idMaterial`,
     m.name AS `material`
   FROM material_has_standard mhs
     INNER JOIN material m
       ON mhs.material = m.id
    WHERE mhs.material = idMaterial
   AND mhs.standard = idStandard;
      'Already Exist!' AS `response`;
```

Depends On 4 databaseManager@% material_has_standard material standard

Used By

insertSpecification

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 25/6/2024 00:54:16 |
| Last Modified | 25/6/2024 00:54:16 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|---------------|-----------|--------|-----------|-------|
| materialIN | INT | | 11 | |
| namelN | VARCHAR | 20 | | |
| descriptionIN | VARCHAR | 60 | | |

```
PROCEDURE insertSpecification (IN materialIN int UNSIGNED, IN nameIN varchar(20), IN descriptionIN varchar(60))
 DECLARE selected bigint;
   COUNT(*) INTO selected
 FROM specification s
 WHERE s.name = nameIN
 AND s.material = materialIN;
 IF (selected = 0) THEN
   INSERT INTO specification (material, name, description)
     VALUES (materialIN, nameIN, descriptionIN);
     s.id AS `key`,
     s.name AS `specification`,
     s.description AS `description`,
      '[]' AS `configurations`
   FROM specification s
   WHERE s.name LIKE nameIN;
      'Already Exists!' AS `response`;
```

Depends On databaseManager@% specification

material

Used By

insertSpecification_Configuration

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|-----------------|-----------|--------|-----------|-------|
| specificationIN | INT | | 11 | |
| timelN | SMALLINT | | 6 | |
| timeTypeIN | VARCHAR | 1 | | |
| temperatureIN | TINYINT | | 4 | |

```
PROCEDURE insertSpecification_Configuration (IN specificationIN int UNSIGNED, IN timeIN smallint, IN timeTypeIN
varchar(1), IN temperatureIN tinyint)
 DECLARE selected bigint;
   COUNT(*) INTO selected
  FROM specification_configuration sc
 WHERE sc.specification = specificationIN
 AND sc.time = timeIN
 AND sc.temperature = temperatureIN;
  IF (selected = 0) THEN
   INSERT INTO specification_configuration (specification, time, timeType, temperature)
     VALUES (specificationIN, timeIN, timeTypeIN, temperatureIN);
     sc.id AS `key`,
     sc.time AS `time`,
     sc.timeType AS `timeType`,
     sc.temperature AS `temperature`
    FROM specification_configuration sc
    WHERE sc.specification = specificationIN
    AND sc.time = timeIN
    AND sc.temperature = temperatureIN;
```

```
ELSE
SELECT
'Already Exists!' AS `response`;
END IF;
END

Depends On 3

databaseManager@%

specification_configuration
```

Used By

No items found

specification



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|--------|-----------|--------|-----------|-------|
| nameln | VARCHAR | 40 | | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE insertStandard (IN nameIn varchar(40))
DETERNINISTIC
BEGIN

DECLARE elements int UNSIGNED;

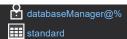
SELECT
COUNI(*) INTO elements
FROM standard s
WHERE s.name = nameIn;

IF elements = 0 THEN
INSERT HIGH_PRIORITY INTO standard (name)
VALUES (nameIn);

SELECT
s.id AS 'key',
s.name AS 'standard',
'[]' AS 'materials',
'[]' AS 'enviroments',
'[]' AS 'enviroments',
'[]' AS conditionalPeriods
FROM standard s
WHERE s.name LIKE nameIn;

ELSE
SELECT
'Already Exist!' AS 'response';
END IF;
```

Depends On 2



Used By

insertTestType

Description

Properties

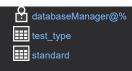
| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 13/6/2024 01:29:06 |
| Last Modified | 13/6/2024 01:29:06 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| testTypeIN | VARBINARY | 255 | | |

SQL Script

Depends On 3



Used By



selectConditionalPeriods

Description

Selection of Conditional Periods by Standard

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 24/6/2024 20:39:58 |
| Last Modified | 24/6/2024 20:39:58 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |

SQL Script

```
{\tt PROCEDURE} \ \ {\tt selectConditionalPeriods} \ \ ({\tt IN} \ \ {\tt idStandard} \ \ {\tt int} \ \ {\tt UNSIGNED})
   cp.id AS idCondPeriod,
    cp.minwall AS minWall,
    cp.maxwall AS maxWall,
   (CONCAT(CONVERT(cp.time, char), ' ', cp.timeType, ' ± ', CONVERT(cp.aproxTime, char), '
', cp.aproxType)) AS condPeriod
 FROM conditional_period cp
  WHERE cp.standard = idStandard
  ORDER BY cp.minwall;
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | False |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectEndCaps (IN idStandard int UNSIGNED)

BEGIN

SELECT

e.id AS `id`,

e.name AS `endCap`

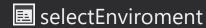
FROM endcap e

WHERE e.standard = idStandard;
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE selectEnviroment (IN idStandard int UNSIGNED)
DETERMINISTIC
BEGIN

SELECT
ehs.id,
ehs.inside,
ehs.outside
FROM enviroment ehs
WHERE ehs.standard = idStandard;

END
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |

SQL Script

```
PROCEDURE selectMaterials (IN idStandard int UNSIGNED)
   mhs.material AS idMaterial,
   m.name AS materialName,
  m.description AS materialDescription,
   mhs.type AS materialType
 FROM material m
   INNER JOIN material_has_standard mhs
     ON m.id = mhs.material
 WHERE mhs.standard = standard;
```

Depends On 4

dataCollector@%



material_has_standard



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectMaterialsJSON ()

DETERMINISTIC

BEGIN

SELECT

JSON_ARRAYAGG(JSON_OBJECT('key', m.id,
    'material', m.name,
    'description', (IF(m.description IS NULL, 'Sin Descripción', m.description)),
    'specifications', (selectSpecifications(m.id)))) AS `materials`

FROM material m;

END
```

Depends On 3



material

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 11/6/2024 11:06:03 |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectOperators ()

DETERMINISTIC

BEGIN

SELECT

o.id,
o.dni,
o.name,
o.familyname

FROM operator o;
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 11/6/2024 11:06:03 |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectOperatorsJSON ()

DETERMINISTIC

BEGIN

SELECT

JSON_ARRAYAGG(JSON_OBJECT('key', o.id,
 'dni', o.dni,
 'name', o.name,
 'familyName', o.familyname)) AS `operators`

FROM operator o;

END
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|-----------------|-----------|--------|-----------|-------|
| idSpecification | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectSettingsSpecification (IN idSpecification int UNSIGNED)

DETERMINISTIC

BEGIN

SELECT

sc.id AS idSetting,
sc.time AS time,
sc.temperature AS temperature

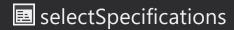
FROM specification_configuration sc
WHERE sc.specification = idSpecification;

END
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idMaterial | INT | | 11 | |

SQL Script

```
CREATE
DEFINER = 'root'
PROCEDURE selectSpecifications (IN idMaterial int UNSIGNED)
DETERMINISTIC
BEGIN

SELECT
s.id AS idSpecification,
s.name AS nameSpecification,
s.description AS descriptionSpecification
FROM specification s
WHERE s.material = idMaterial;
```

Depends On 2







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectStandards ()

DETERMINISTIC

BEGIN

SELECT

s.id AS idStandard,
s.name AS standardName

FROM standard s;

END
```

Depends On 2



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 12/6/2024 22:38:42 |
| Last Modified | 12/6/2024 22:38:42 |

SQL Script

```
PROCEDURE selectStandardsJSON ()
    'standard', s.name,
    'materials', (selectMaterials_has_Standard(s.id)),
    'enviroments', (selectEnviroments_has_Standard(s.id)),
    'endCaps', (selectEndCaps_has_Standard(s.id)),
    \verb|'conditionalPeriods'|, (selectConditionalPeriods\_has\_Standard(s.id))|, \\
    'testTypes', (selectTest_Type(s.id)))) AS `standards`
  FROM standard s;
```

Depends On 🕡

databaseManager@%

selectMaterials has Standard

selectEnviroments_has_Standard

selectEndCaps_has_Standard

selectConditionalPeriods_has_Standard

selectTest_Type

standard

selectStandarsComplete

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

SQL Script

```
PROCEDURE selectStandarsComplete ()
   s.id,
   s.name,
        'endcap', e.name))
     FROM endcap e
     WHERE e.standard = s.id) AS `endCaps`,
       JSON_ARRAYAGG(JSON_OBJECT('id', e.id,
       'insertFluid', e.inside,
        'outsideFluid', e.outside))
     FROM enviroment e
     WHERE e.standard = s.id) AS `enviroment`,
       JSON_ARRAYAGG(JSON_OBJECT('id', cp.id,
        'minwall', cp.minwall,
        'maxwall', cp.maxwall,
        'time', cp.time))
     FROM conditional_period cp
     WHERE cp.standard = s.id) AS conditionalPeriod,
       JSON_ARRAYAGG(JSON_OBJECT('id', mhs.id,
       'idMaterial', mhs.material,
       'material', m.name,
       'description', m.description))
     FROM material_has_standard mhs
        INNER JOIN material m
         ON mhs.material = m.id
     WHERE mhs.standard = s.id) AS relatedMaterial
  FROM standard s;
```

Depends On

endcap
enviroment
conditional_period
material_has_standard
standard

Used By
No items found

selectTestType

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE selectTestType (IN idStandard int UNSIGNED)

DETERMINISTIC

BEGIN

SELECT

tt.id,

tt.testType

FROM test_type tt

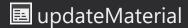
WHERE tt.standard = idStandard;

END
```

Depends On 2



Used By



Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:06:01 | |
| Last Modified | 11/6/2024 11:06:01 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|---------------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| namelN | VARCHAR | 20 | | |
| descriptionIN | VARCHAR | 80 | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE updateMaterial (IN id int UNSIGNED, IN nameIN varchar(20), IN descriptionIN varchar(80))

DETERMINISTIC

BEGIN

DECLARE result text;

IF (existMaterial(id) = TRUE) THEN

UPDATE LOW_PRIORITY material m

SET m.id = id,

m.name = nameIN,

m.description = descriptionIN

WHERE m.id = id;

SELECT

'Successful Updated!' INTO result;

ELSE

SELECT

'Unsuccessful Updated!' INTO result;

END IF;

SELECT

result AS 'response';
```

Depends On 3





Used By



Properties

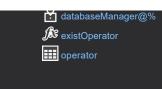
| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | sqL | |
| Created | 11/6/2024 11:06:03 | |
| Last Modified | 11/6/2024 11:06:03 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| dni | INT | | 11 | |
| name | VARCHAR | 50 | | |
| familyname | VARCHAR | 50 | | |

SQL Script

Depends On 3



Used By



Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:06:01 | |
| Last Modified | 11/6/2024 11:06:01 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|---------------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| namelN | VARCHAR | 20 | | |
| descriptionIN | VARCHAR | 80 | | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE updateSpecification (IN id int UNSIGNED, IN nameIN varchar(20), IN descriptionIN varchar(80))

DETERMINISTIC

BEGIN

DECLARE result text;

IF (existSpecification(id) = TRUE) THEN

UPDATE LOW_PRIORITY specification s

SET s.id = id,

s.name = nameIN,
s.description = descriptionIN

WHERE s.id = id;

SELECT
'Successful Updated!' INTO result;

ELSE

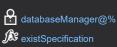
SELECT
'Unsuccessful Updated!' INTO result;

END

SELECT
result AS 'response';

END
```

Depends On 3





Used By

updateSpecification_Configuration

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|---------------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| timelN | SMALLINT | | 6 | |
| timeTypeIN | VARCHAR | 1 | | |
| temperatureIN | TINYINT | | 4 | |

SQL Script

```
CREATE

DEFINER = 'root'

PROCEDURE updateSpecification_Configuration (IN id int UNSIGNED, IN timeIN smallint, IN timeTypeIN varchar(1), IN temperatureIN tinyint)

DETERMINISTIC

BEGIN

DECLARE result text;

IF (existSpecification_Configuration(id) = TRUE) THEN

UPDATE LOW_PRIORITY specification_configuration sc

SET sc.id = id,

sc.time = timeIN,

sc.timeType = timeTypeIN,

sc.temperature = temperatureIN

WHERE sc.id = id;

SELECT

'Successful Updated!' INTO result;

ELSE

SELECT

Unsuccessful Updated!' INTO result;

END IF;

SELECT

result AS response;
END
```

Depends On databaseManager@% existSpecification_Configuration specification_configuration

Used By



Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 11/6/2024 11:06:02 | |
| Last Modified | 11/6/2024 11:06:02 | |

Parameters

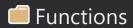
| Name | Data Type | Length | Precision | Scale |
|--------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| namelN | VARCHAR | 60 | | |

SQL Script

Depends On 3



Used By No items found



Objects 19

| Name | Description |
|---------------------------------------|--|
| existConditionalPeriod | |
| existConfiguration | |
| existEndCap | |
| existEnviroment | |
| <u>existMaterial</u> | |
| existOperator | |
| <u>existRelatedMaterial</u> | |
| existSpecification | |
| existSpecification_Configuration | |
| existSpecimen | |
| <u>existStandard</u> | |
| existTest_Type | |
| selectConditionalPeriods_has_Standard | Selection of Conditional Periods of a Standard |
| selectEndCaps_has_Standard | |
| selectEnviroments_has_Standard | |
| selectMaterials_has_Standard | |
| <u>selectSpecifications</u> | |
| selectSpecification_Configurations | |
| selectTest_Type | |
| | |



existConditionalPeriod

Description

Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | sqL | |
| Created | 11/6/2024 11:06:02 | |
| Last Modified | 11/6/2024 11:06:02 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
FUNCTION existConditionalPeriod (id int UNSIGNED)
 DECLARE selected bigint(255);
   COUNT(*) INTO selected
 FROM conditional_period cp
 WHERE cp.id = id;
 IF selected != 1 THEN
```

Depends On 1

conditional_period

Used By 1

deleteConditionalPeriod



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existConfiguration (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM specification s
WHERE s.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 1



Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existEndCap (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

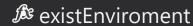
DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM endcap e
WHERE e.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 🕕







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existEnviroment (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM enviroment e
WHERE e.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 1

enviroment

Used By 1

deleteEnviroment



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existMaterial (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM material m
WHERE m.id = id;

If selected!= 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On •







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:03 |
| Last Modified | 11/6/2024 11:06:03 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'noot'
FUNCTION existOperator (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

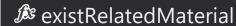
DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM operator o
WHERE o.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 1







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existRelatedMaterial (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM material_has_standard mhs
WHERE mhs.id = id;

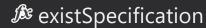
If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On •

material_has_standard

Used By 1

deleteRelatedMaterial



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existspecification (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected int;
SELECT
COUNT(*) INTO selected
FROM specification s
WHERE s.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 1

specification



sexistSpecification_Configuration

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE

DEFINER = 'root'

FUNCTION existSpecification_Configuration (id int UNSIGNED)

RETURNS tinyint(1)

DETERMINISTIC

BEGIN

DECLARE selected bigint(255);

SELECT

COUNT(*) INTO selected

FROM specification_configuration sc

WHERE sc.id = id;

IF selected != 1 THEN

RETURN FALSE;

ELSE

RETURN TRUE;

END IF;
```

Depends On 1

specification_configuration

Used By 2

deleteSpecification_Configuration
updateSpecification_Configuration



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:01 |
| Last Modified | 11/6/2024 11:06:01 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

Depends On 1

specification

Used By



Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'noot'
FUNCTION existStandard (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM standard s
WHERE s.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On •







Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | SQL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|----------|-----------|--------|-----------|-------|
| id | INT | | 11 | |
| (Result) | TINYINT | | 1 | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION existTest_Type (id int UNSIGNED)
RETURNS tinyint(1)
DETERMINISTIC
BEGIN

DECLARE selected bigint(255);
SELECT
COUNT(*) INTO selected
FROM test_type tt
WHERE tt.id = id;

If selected != 1 THEN
RETURN FALSE;
ELSE
RETURN TRUE;
END IF;
```

Depends On 🕕

test_type

Used By 1

deleteTestType



Selection of Conditional Periods of a Standard

Properties

| Name | Value | |
|---------------|-----------------------|--|
| SQL Access | CONTAINS SQL | |
| Deterministic | True | |
| Security | Definer | |
| Definer | root | |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO | |
| Language | SQL | |
| Created | 24/6/2024 23:05:15 | |
| Last Modified | 24/6/2024 23:05:15 | |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
FUNCTION selectConditionalPeriods_has_Standard (idStandard int UNSIGNED)
 DECLARE result json;
 DECLARE elements tinyint(1);
   COUNT(*) INTO elements
  FROM conditional_period cp
 WHERE cp.standard = idStandard;
  IF (elements > 0) THEN
   WITH periodsOrder
       CONCAT(CONVERT(cp.time, char), ' ', cp.timeType, ' ± ', CONVERT(cp.aproxTime, char), ' ', cp.aproxType) AS
       `condPeriod`,
       cp.minwall,
       cp.maxwall
     FROM conditional_period cp
     WHERE cp.standard = idStandard)
     JSON_ARRAYAGG(JSON_OBJECT('key', po.`key`,
      'condPeriod', po.condPeriod,
      'minwall', po.minwall,
      'maxwall', po.maxwall)) INTO result
```

```
FROM periodsOrder po;

ELSE
SELECT
'[]' INTO result;
END IF;

RETURN result;
END

Depends On 
Conditional_period

Used By 
SelectStandardsJSON
```

selectEndCaps_has_Standard

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectEndCaps_has_Standard (idStandard int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

DECLARE result json;
DECLARE elements tinyint(1);

SELECT
COUNT(*) INTO elements
FROM endcap ec
WHERE ec.standard = idStandard;

IF (elements > 0) THEN
SELECT
JSON_ARRAYAGG(JSON_OBJECT('key', ec.id,
    'endcap', ec.name)) INTO result
FROM endcap ec
WHERE ec.standard = idStandard;

ELSE
SELECT
'[]' INTO result;
END IF;

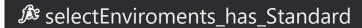
RETURN result;
```

Depends On 1





selectStandardsJSON



Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectEnviroments_has_Standard (idStandard int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

DECLARE result json;
DECLARE elements tinyint;

SELECT
COUNT(*) INTO elements
FROM enviroment e
WHERE e.standard = idStandard;

IF (elements > 0) THEN
SELECT
JSON_ARRAYAGG(JSON_OBJECT('key', e.id,
    'insidefluid', e.inside,
    'outsideFluid', e.outside)) INTO result
FROM enviroment e
WHERE e.standard = idStandard;
ELSE
SELECT
'[]' INTO result;
END IF;

RETURN result;
```

Depends On 🕕



Used By 🛈

selectStandardsJSON



Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 24/6/2024 17:13:33 |
| Last Modified | 24/6/2024 17:13:33 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| (Result) | JSON | 0 | | |

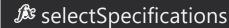
```
FUNCTION selectMaterials_has_Standard (idStandard int UNSIGNED)
 DECLARE result json;
 DECLARE elements tinyint;
   COUNT(*) INTO elements
 FROM material_has_standard mhs
 WHERE mhs.standard = idStandard;
 IF (elements > 0) THEN
     JSON_ARRAYAGG(JSON_OBJECT('key', mhs.id,
      'idMaterial', mhs.material,
      'material', m.name,
     'descriptioin', m.description)) INTO result
   FROM material_has_standard mhs
     INNER JOIN material m
       ON m.id = mhs.material
   WHERE mhs.standard = idStandard;
     '[]' INTO result;
 RETURN result;
```

Depends On ②

iiii material_has_standard
iiii material

Used By ③

selectStandardsJSON



Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idMaterial | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

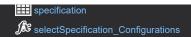
```
CREATE
DEFINER = 'root'
FUNCTION selectSpecifications (idMaterial int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

DECLARE result json;
DECLARE elements tinyint;

SELECT
COUNT(*) INTO elements
FROM specification s
WHERE s.material = idMaterial;

IF (elements > 0) THEN
SELECT
JSON_ARRAYAGG(JSON_OBJECT('key', s.id,
    'specification', s.name,
    'description', (IF(s.description IS NULL, '', s.description)),
    'configurations', (selectSpecification_Configurations(s.id)))) INTO result
FROM specification s
WHERE s.material = idMaterial;
ELSE
SELECT
    '[]' INTO result;
END IF;
RETURN result;
```

Depends On 2



Used By

No items foun

selectSpecification_Configurations

Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 11/6/2024 11:06:02 |
| Last Modified | 11/6/2024 11:06:02 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|-----------------|-----------|--------|-----------|-------|
| idSpecification | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectSpecification_Configurations (idSpecification int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

DECLARE result json;
DECLARE elements tinyint;

SELECT
COUNT(*) INTO elements
FROM specification_configuration sc
WHERE sc.specification = idSpecification;

If (elements > 0) THEN
SELECT
JSON_ARRAYAGG(JSON_OBJECT('key', sc.id,
    'time', sc.time,
    'type', sc.timeType,
    'temperature', sc.temperature)) INTO result
FROM specification_configuration sc
WHERE sc.specification = idSpecification;

ELSE
SELECT
'[]' INTO result;
END

RETURN result;
```

Depends On 1



Used By 1

ﷺ selectSpecifications



Description

Properties

| Name | Value |
|---------------|-----------------------|
| SQL Access | CONTAINS SQL |
| Deterministic | True |
| Security | Definer |
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Language | sqL |
| Created | 25/6/2024 01:20:43 |
| Last Modified | 25/6/2024 01:20:43 |

Parameters

| Name | Data Type | Length | Precision | Scale |
|------------|-----------|--------|-----------|-------|
| idStandard | INT | | 11 | |
| (Result) | JSON | 0 | | |

SQL Script

```
CREATE
DEFINER = 'root'
FUNCTION selectTest_Type (idStandard int UNSIGNED)
RETURNS json
DETERMINISTIC
BEGIN

DECLARE result json;
DECLARE elements tinyint;

SELECT
COUNT(*) INTO elements
FROM test_type tt
WHERE tt.standard = idStandard;

IF (elements > 0) THEN
SELECT
JSON_ARRAYAGG(JSON_OBJECT('key', tt.id,
    'testtype', tt.testType)) INTO result
FROM test_type tt
WHERE tt.standard = idStandard;

ELSE
SELECT
[]' INTO result;
END IF;

RETURN result;
END
```

Depends On 1





selectStandardsJSON

Project / Servers / Local_Development / Databases / static_db / Triggers

Objects
Name

deleteConfigurationsChilds
deleteStandardChilds

deleteStandardChilds

deleteConfigurationsChilds

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | DELETE |
| Timing | BEFORE |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:06:04 |

SQL Script

```
CREATE
DEFINER = 'root'
TRIGGER deleteConfigurationsChilds
BEFORE DELETE
ON specification
FOR EACH ROW
BEGIN

DECLARE childsCount int UNSIGNED;

SELECT
COUNT(*) INTO childsCount
FROM specification_configuration sc
WHERE sc.specification = OLD.id;

IF childsCount > 0 THEN
DELETE LOW_PRIORITY QUICK
FROM specification_configuration sc
WHERE sc.specification = OLD.id;

END IF;
```

Depends On 2

specification

specification_configuration

Used By

No items found

deleteMaterialChilds

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | DELETE |
| Timing | BEFORE |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:06:04 |

SQL Script

```
CREATE
DEFINER = 'root'
TRIGGER deleteMaterialChilds
BEFORE DELETE
ON material
FOR EACH RON
BEGIN

DECLARE childsCount int UNSIGNED;

SELECT
COUNT(*) INTO childsCount
FROM specification s
WHERE s.material = OLD.id;

If childsCount > 0 THEN
DELETE LOW PRIORITY QUICK
FROM specification s
WHERE s.material = OLD.id;

END IF;

SELECT
COUNT(*) INTO childsCount
FROM material | has_standard mhs
WHERE mhs.material = OLD.id;

If childsCount > 0 THEN
DELETE LOW PRIORITY QUICK
FROM material = OLD.id;

END IF;

SELECT
COUNT(*) INTO childsCount
FROM material = OLD.id;

If childsCount > 0 THEN
DELETE LOW_PRIORITY QUICK
FROM material = OLD.id;

END IF;

END
```

Depends On 3

material specification

material_has_standard

Used By

No items found

deleteStandardChilds

Properties

| Name | Value |
|----------|-----------------------|
| Definer | root |
| SQL Mode | NO_AUTO_VALUE_ON_ZERO |
| Event | DELETE |
| Timing | BEFORE |
| Follows | |
| Precedes | |
| Created | 11/6/2024 11:06:04 |

```
TRIGGER deleteStandardChilds
BEFORE DELETE
ON standard
 DECLARE elements int UNSIGNED;
   COUNT(*) INTO elements
 FROM endcap e
 WHERE e.standard = OLD.id;
 IF elements > 0 THEN
     FROM endcap e
   WHERE e.standard = OLD.id;
   COUNT(*) INTO elements
 FROM conditional_period cp
 WHERE cp.standard = OLD.id;
 IF elements > 0 THEN
     FROM conditional_period cp
   WHERE cp.standard = OLD.id;
   COUNT(*) INTO elements
 FROM enviroment e
 WHERE e.standard = OLD.id;
 IF elements > 0 THEN
     FROM enviroment e
   WHERE e.standard = OLD.id;
   COUNT(*) INTO elements
 FROM test_type tt
  WHERE tt.standard = OLD.id;
  IF elements > 0 THEN
```

```
DELETE LOW_PRIORITY QUICK
   FROM test_type tt
   WHERE tt.standard = OLD.id;
END IF;

SELECT
   COUNT(*) INTO elements
FROM material_has_standard mhs
WHERE mhs.standard = OLD.id;

IF elements > 0 THEN
   DELETE LOW_PRIORITY QUICK
   FROM material_has_standard mhs
   WHERE mhs.standard = OLD.id;
END IF;

END
```

Depends On

standard

endcap

conditional_period

enviroment

test_type

material_has_standard

Used By

No items found



Objects 3

dataCollector@%
databaseManager@%

reportGenerator@%

dataCollector@%

Object Level Permissions

| Туре | Action | Object Name | Object Type |
|-------|---------|-----------------------------|-------------|
| Grant | EXECUTE | countspecimens | Procedure |
| Grant | EXECUTE | insertdata | Procedure |
| Grant | EXECUTE | insertsample | Procedure |
| Grant | EXECUTE | insertspecimen | Procedure |
| Grant | EXECUTE | selectconditionalperiods | Procedure |
| Grant | EXECUTE | selectendcaps | Procedure |
| Grant | EXECUTE | selectenviroment | Procedure |
| Grant | EXECUTE | selectmaterials | Procedure |
| Grant | EXECUTE | selectoperators | Procedure |
| Grant | EXECUTE | selectsample | Procedure |
| Grant | EXECUTE | selectsampleid | Procedure |
| Grant | EXECUTE | selectsettingsspecification | Procedure |
| Grant | EXECUTE | selectspecifications | Procedure |
| Grant | EXECUTE | selectspecimen | Procedure |
| Grant | EXECUTE | selectstandards | Procedure |
| Grant | EXECUTE | selecttesttype | Procedure |

```
CREATE USER 'dataCollector'@'%' IDENTIFIED WITH caching_sha2_password PASSWORD EXPIRE NEVER;
GRANT EXECUTE ON PROCEDURE data_db.countspecimens TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.insertdata TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.insertsample TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.insertspecimen TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectconditionalperiods TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectendcaps TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectenviroment TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectmaterials TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectoperators TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.selectsample TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.selectsampleid TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectsettingsspecification TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectspecifications TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE data_db.selectspecimen TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectstandards TO 'dataCollector'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selecttesttype TO 'dataCollector'@'%';
```

databaseManager@%

Object Level Permissions 29

| Туре | Action | Object Name | Object Type |
|-------|---------|-----------------------------------|-------------|
| Grant | EXECUTE | deleteconditionalperiod | Procedure |
| Grant | EXECUTE | deleteendcap | Procedure |
| Grant | EXECUTE | deleteenviroment | Procedure |
| Grant | EXECUTE | deletematerial | Procedure |
| Grant | EXECUTE | deleteoperator | Procedure |
| Grant | EXECUTE | deleterelatedmaterial | Procedure |
| Grant | EXECUTE | deletespecification_configuration | Procedure |
| Grant | EXECUTE | deletespecification | Procedure |
| Grant | EXECUTE | deletestandard | Procedure |
| Grant | EXECUTE | deletetesttype | Procedure |
| Grant | EXECUTE | insertconditionalperiod | Procedure |
| Grant | EXECUTE | insertendcap | Procedure |
| Grant | EXECUTE | insertenviroment | Procedure |
| Grant | EXECUTE | insertmaterial | Procedure |
| Grant | EXECUTE | insertoperator | Procedure |
| Grant | EXECUTE | insertrelatedmaterial | Procedure |
| Grant | EXECUTE | insertspecification_configuration | Procedure |
| Grant | EXECUTE | insertspecification | Procedure |
| Grant | EXECUTE | insertstandard | Procedure |
| Grant | EXECUTE | inserttesttype | Procedure |
| Grant | EXECUTE | selectmaterialsjson | Procedure |
| Grant | EXECUTE | selectoperatorsjson | Procedure |
| Grant | EXECUTE | selectstandardsjson | Procedure |
| Grant | EXECUTE | updatematerial | Procedure |
| Grant | EXECUTE | updateoperator | Procedure |
| Grant | EXECUTE | updatespecification_configuration | Procedure |
| Grant | EXECUTE | updatespecification | Procedure |
| Grant | EXECUTE | updatestandard | Procedure |
| Grant | SELECT | material | Table |

```
CREATE USER 'databaseManager'@'%' IDENTIFIED WITH caching_sha2_password PASSWORD EXPIRE NEVER;
GRANT EXECUTE ON PROCEDURE static_db.deleteconditionalperiod TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deleteendcap TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deleteenviroment TO 'databaseManager'@'%';
```

```
GRANT EXECUTE ON PROCEDURE static_db.deletematerial TO 'databaseManager'@
GRANT EXECUTE ON PROCEDURE static_db.deleteoperator TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deleterelatedmaterial TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deletespecification TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deletespecification_configuration TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deletestandard TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.deletetesttype TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertconditionalperiod TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertendcap TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertenviroment TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertmaterial TO 'databaseManager'@'%';
\label{lem:grant_execute} \textit{GRANT} \  \  \text{EXECUTE ON PROCEDURE static\_db.insertoperator TO 'databaseManager'@'%';}
GRANT EXECUTE ON PROCEDURE static_db.insertrelatedmaterial TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertspecification TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertspecification_configuration TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.insertstandard TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.inserttesttype TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectmaterialsjson TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectoperatorsjson TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.selectstandardsjson TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.updatematerial TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.updateoperator TO 'databaseManager'@'%';
{\tt GRANT\ EXECUTE\ ON\ PROCEDURE\ static\_db.updatespecification\ TO\ 'databaseManager'@'\%';}
GRANT EXECUTE ON PROCEDURE static_db.updatespecification_configuration TO 'databaseManager'@'%';
GRANT EXECUTE ON PROCEDURE static_db.updatestandard TO 'databaseManager'@'%';
GRANT SELECT ON TABLE static_db.material TO 'databaseManager'@'%';
```

reportGenerator@%

Object Level Permissions

| Туре | Action | Object Name | Object Type |
|-------|---------|--------------------|-------------|
| Grant | EXECUTE | static_db | Database |
| Grant | EXECUTE | deletetest | Procedure |
| Grant | EXECUTE | selectcomparetests | Procedure |
| Grant | EXECUTE | selecttestdata | Procedure |
| Grant | EXECUTE | selecttest | Procedure |
| Grant | EXECUTE | selecttests | Procedure |
| Grant | EXECUTE | updatespecimen | Procedure |

```
CREATE USER 'reportGenerator'@'%' IDENTIFIED WITH caching_sha2_password PASSWORD EXPIRE NEVER;

GRANT EXECUTE ON *.* TO 'reportGenerator'@'%';

GRANT EXECUTE ON static_db.* TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.deletetest TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.selectcomparetests TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.selecttest TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.selecttestdata TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.selecttests TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.selecttests TO 'reportGenerator'@'%';

GRANT EXECUTE ON PROCEDURE data_db.updatespecimen TO 'reportGenerator'@'%';
```