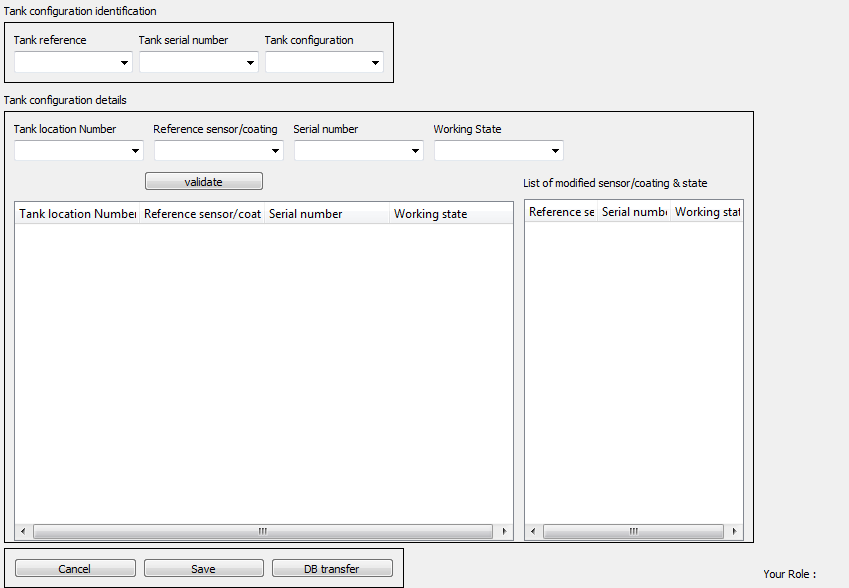
# Liste de requêtes BDD

## tank\_configuration.py



### Requête 1

#### Objet :

#### Sql :

sql = """SELECT DISTINCT ref FROM type\_tank;"""

### Requête 2

#### Objet :

#### Sql :

sql = """SELECT DISTINCT ref FROM type\_tank;"""

### Requête 3

#### Objet :

#### Sql :

sql = """SELECT ur.role, CASE WHEN ur.id\_test\_mean IS NOT NULL THEN CONCAT('test mean' ,'-', tm.type, '\_', tm.name, '\_', tm.number)

WHEN ur.id\_type\_coating IS NOT NULL THEN CONCAT('coating', '-', tc.ref)

WHEN ur.id\_type\_detergent IS NOT NULL THEN CONCAT('detergent', '-', td.ref)

WHEN ur.id\_type\_tank IS NOT NULL THEN CONCAT('tank', '-', tt.ref)

WHEN ur.id\_type\_sensor IS NOT NULL THEN CONCAT('sensor', '-',ts.ref)

WHEN ur.id\_type\_ejector IS NOT NULL THEN CONCAT('ejector', '-',te.ref)

WHEN ur.id\_type\_camera IS NOT NULL THEN CONCAT('camera', '-',tca.ref)

WHEN ur.id\_type\_test\_point IS NOT NULL THEN CONCAT('test point', '-',ttp.ref)

WHEN ur.id\_type\_intrinsic\_value IS NOT NULL THEN CONCAT('intrinsic value', '-',tiv.ref)

WHEN ur.insect = 'Yes' THEN CONCAT('insect', '-', ' ')

WHEN ur.acqui\_system = 'Yes' THEN CONCAT('acquisition', '-', ' ') END AS object

FROM account ac

JOIN user\_right ur ON ur.id\_account = ac.id

LEFT JOIN test\_mean tm ON tm.id = ur.id\_test\_mean

LEFT JOIN type\_coating tc ON tc.id = ur.id\_type\_coating

LEFT JOIN type\_detergent td ON td.id = ur.id\_type\_detergent

LEFT JOIN type\_tank tt ON tt.id = ur.id\_type\_tank

LEFT JOIN type\_sensor ts ON ts.id = ur.id\_type\_sensor

LEFT JOIN type\_ejector te ON te.id = ur.id\_type\_ejector

LEFT JOIN type\_camera tca ON tca.id = ur.id\_type\_camera

LEFT JOIN type\_test\_point ttp ON ttp.id = ur.id\_type\_test\_point

LEFT JOIN type\_intrinsic\_value tiv ON tiv.id = ur.id\_type\_intrinsic\_value

WHERE ac.uname = %s ;

"""

### Requête 4

#### Objet :

#### Sql :

sql = """SELECT t.number

FROM tank t

JOIN type\_tank tk ON t.id\_type\_tank = tk.id

WHERE tk.ref = %s;"""

### Requête 5

#### Objet :

#### Sql :

sql = """SELECT t.number

FROM tank t

JOIN type\_tank tk ON t.id\_type\_tank = tk.id

WHERE tk.ref = %s;"""

### Requête 6

#### Objet :

#### Sql :

sql = """SELECT DISTINCT pot.num\_loc

FROM position\_on\_tank pot

JOIN tank tk ON tk.id = pot.id\_tank

JOIN type\_tank tt ON tt.id = tk.id\_type\_tank

WHERE tt.ref = %s AND tk.number = %s;"""

### Requête 7

#### Objet :

#### Sql :

sql = """SELECT DISTINCT CONCAT(tc.ref, '\_', tc.number, ' ', TO\_CHAR(tc.date, 'DD/MM/YYYY'))

FROM tank\_configuration tc

JOIN sensor\_coating\_config scc ON scc.id\_tank\_configuration = tc.id

JOIN position\_on\_tank pot ON scc.id\_position\_on\_tank = pot.id

JOIN tank t ON pot.id\_tank = t.id

JOIN type\_tank tt ON t.id\_type\_tank = tt.id

WHERE tt.ref = %s AND t.number = %s

"""

### Requête 8

#### Objet :

#### Sql :

sql = """SELECT DISTINCT CONCAT(tc.ref, '\_', tc.number, ' ', TO\_CHAR(tc.date, 'DD/MM/YYYY'))

FROM tank\_configuration tc;"""

### Requête 9

#### Objet :

#### Sql :

sql = """SELECT number, TO\_CHAR(date, 'DD/MM/YYYY') FROM tank\_configuration WHERE number = (SELECT MAX(number) FROM tank\_configuration);"""

### Requête 10

#### Objet :

#### Sql :

sql = """SELECT DISTINCT pot.num\_loc

FROM position\_on\_tank pot

JOIN tank tk ON tk.id = pot.id\_tank

JOIN type\_tank tt ON tt.id = tk.id\_type\_tank

WHERE tt.ref = %s AND tk.number = %s;"""

### Requête 11

#### Objet :

#### Sql :

sql = """SELECT DISTINCT CONCAT(tc.ref, '\_', tc.number, ' ', TO\_CHAR(tc.date, 'DD/MM/YYYY'))

FROM tank\_configuration tc

JOIN sensor\_coating\_config scc ON scc.id\_tank\_configuration = tc.id

JOIN position\_on\_tank pot ON scc.id\_position\_on\_tank = pot.id

JOIN tank t ON pot.id\_tank = t.id

JOIN type\_tank tt ON t.id\_type\_tank = tt.id

WHERE tt.ref = %s AND t.number = %s;

"""

### Requête 12

#### Objet :

#### Sql :

sql = """SELECT DISTINCT CONCAT(tc.ref, '\_', tc.number, ' ', TO\_CHAR(tc.date, 'DD/MM/YYYY'))

FROM tank\_configuration tc;"""

### Requête 13

#### Objet :

#### Sql :

sql = """SELECT MAX(number) FROM tank\_configuration;"""

### Requête 14

#### Objet :

#### Sql :

sql = """SELECT \*

FROM tank\_configuration tc

JOIN sensor\_coating\_config scc ON scc.id\_tank\_configuration = tc.id

JOIN position\_on\_tank pot ON scc.id\_position\_on\_tank = pot.id

JOIN tank t ON pot.id\_tank = t.id

JOIN type\_tank tt ON t.id\_type\_tank = tt.id

WHERE tt.ref = %s AND t.number = %s AND tc.ref = %s AND tc.number = %s;

"""

### Requête 15

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.ref = %s AND tc.number = %s ORDER BY 1;

"""

### Requête 16

#### Objet :

#### Sql :

sql1 = """SELECT tc.ref, c.number, c.state

FROM coating c

JOIN type\_coating tc ON tc.id = c.id\_type\_coating

WHERE c.state = 'Out of order'

UNION

SELECT ts.ref, s.number, s.state

FROM sensor s

JOIN type\_sensor ts ON ts.id = s.id\_type\_sensor

WHERE s.state = 'Out of order';

"""

### Requête 17

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.ref = %s AND tc.number = %s ORDER BY 1;

"""

### Requête 18

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.ref = %s AND tc.number = %s;

"""

### Requête 19

#### Objet :

#### Sql :

sql1 = """SELECT tc.ref, c.number, c.state

FROM coating c

JOIN type\_coating tc ON tc.id = c.id\_type\_coating

WHERE c.state = 'Out of order'

UNION

SELECT s.type, s.number, s.state

FROM sensor s

WHERE s.state = 'Out of order';

"""

### Requête 20

#### Objet :

#### Sql :

sql = """SELECT number, TO\_CHAR(date, 'DD/MM/YYYY') FROM tank\_configuration WHERE number = (SELECT MAX(number) FROM tank\_configuration);"""

### Requête 21

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.number = %s;

"""

### Requête 22

#### Objet :

#### Sql :

sql = """SELECT MAX(number) FROM tank\_configuration;"""

### Requête 23

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.number = %s;

"""

### Requête 24

#### Objet :

#### Sql :

sql = """SELECT pot.ref

FROM position\_on\_tank pot

JOIN tank t ON t.id = pot.id\_tank

JOIN type\_tank tt ON tt.id = t.id\_type\_tank

WHERE tt.ref = %s AND t.number = %s AND pot.num\_loc = %s;

"""

### Requête 25

#### Objet :

#### Sql :

sql = """SELECT s.number

FROM sensor s

WHERE s.state = 'good' and s.type = %s

UNION

SELECT c.number

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE c.state = 'good' and tc.ref = %s;

"""

### Requête 26

#### Objet :

#### Sql :

sql = """SELECT pot.ref

FROM position\_on\_tank pot

JOIN tank t ON t.id = pot.id\_tank

JOIN type\_tank tt ON tt.id = t.id\_type\_tank

WHERE tt.ref = %s AND t.number = %s AND pot.num\_loc = %s;

"""

### Requête 27

#### Objet :

#### Sql :

sql = """SELECT s.number

FROM sensor s

WHERE s.state = 'good' and s.type = %s

UNION

SELECT c.number

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE c.state = 'good' and tc.ref = %s;

"""

### Requête 28

#### Objet :

#### Sql :

sql = """SELECT s.number

FROM sensor s

WHERE s.state = 'good' and s.type = %s

UNION

SELECT c.number

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE c.state = 'good' and tc.ref = %s;

"""

### Requête 29

#### Objet :

#### Sql :

sql = """SELECT s.number

FROM sensor s

WHERE s.state = 'good' and s.type = %s

UNION

SELECT c.number

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE c.state = 'good' and tc.ref = %s;

"""

### Requête 30

#### Objet :

#### Sql :

sql = """SELECT s.number

FROM sensor s

WHERE s.state = 'good' and s.type = %s

UNION

SELECT c.number

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE c.state = 'good' and tc.ref = %s;

"""

### Requête 31

#### Objet :

#### Sql :

sql = """SELECT s.state

FROM sensor s

WHERE s.type = %s and s.number = %s

UNION

SELECT c.state

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE tc.ref = %s and c.number = %s;

"""

### Requête 32

#### Objet :

#### Sql :

sql = """SELECT s.state

FROM sensor s

WHERE s.type = %s and s.number = %s

UNION

SELECT c.state

FROM coating c

JOIN type\_coating tc ON c.id\_type\_coating = tc.id

WHERE tc.ref = %s and c.number = %s;

"""

### Requête 33

#### Objet :

#### Sql :

sql = """SELECT pot.num\_loc, pot.ref, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.number WHEN scc.id\_coating IS NOT NULL THEN c.number END, CASE WHEN scc.id\_sensor IS NOT NULL THEN s.state WHEN scc.id\_coating IS NOT NULL THEN c.state END

FROM position\_on\_tank pot

JOIN sensor\_coating\_config scc ON scc.id\_position\_on\_tank = pot.id

JOIN tank\_configuration tc ON tc.id = scc.id\_tank\_configuration

LEFT JOIN sensor s ON scc.id\_sensor = s.id

LEFT JOIN coating c ON scc.id\_coating = c.id

WHERE tc.ref = %s AND tc.number = %s;

"""

### Requête 34

#### Objet :

#### Sql :

sql = """SELECT \* FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 35

#### Objet :

#### Sql :

sql = """INSERT INTO tank\_configuration(ref, number, date, validate) VALUES (%s, %s, %s, 't');"""

### Requête 36

#### Objet :

#### Sql :

sql = """SELECT MAX(number) FROM tank\_configuration;"""

### Requête 37

#### Objet :

#### Sql :

sql = """INSERT INTO tank\_configuration(ref, number, date, validate) VALUES (%s, %s, %s, 't');"""

### Requête 38

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 39

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 40

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'using'

WHERE id = %s;

"""

### Requête 41

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 42

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 43

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'using'

WHERE id = %s;

"""

### Requête 44

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 45

#### Objet :

#### Sql :

sql = """UPDATE tank\_configuration

SET validate = 't'

WHERE ref = %s AND number = %s;

"""

### Requête 46

#### Objet :

#### Sql :

sql = """SELECT id FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 47

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_sensor, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 48

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_coating, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 49

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 49

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 50

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'good'

WHERE id = %s;

"""

### Requête 51

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'Out of order'

WHERE id = %s;

"""

### Requête 52

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 53

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'good'

WHERE id = %s;

"""

### Requête 54

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'Out of order'

WHERE id = %s;

"""

### Requête 55

#### Objet :

#### Sql :

sql = """DELETE FROM sensor\_coating\_config WHERE id\_position\_on\_tank = (SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON pot.id\_tank = t.id JOIN type\_tank tt ON t.id\_type\_tank = tt.id WHERE tt.ref = %s AND t.number = %s AND pot.num\_loc = %s) AND id\_tank\_configuration = %s AND (id\_coating = (SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s) OR id\_sensor = (SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s));"""

### Requête 56

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 57

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 58

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'using'

WHERE id = %s;

"""

### Requête 59

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 60

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 61

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'using'

WHERE id = %s;

"""

### Requête 62

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 63

#### Objet :

#### Sql :

sql = """SELECT id FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 64

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_sensor, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 65

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_coating, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 66

#### Objet :

#### Sql :

sql = """SELECT \* FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 67

#### Objet :

#### Sql :

sql = """INSERT INTO tank\_configuration(ref, number, date, validate) VALUES (%s, %s, %s, 'f');"""

### Requête 68

#### Objet :

#### Sql :

sql = """SELECT MAX(number) FROM tank\_configuration;"""

### Requête 69

#### Objet :

#### Sql :

sql = """INSERT INTO tank\_configuration(ref, number, date) VALUES (%s, %s, %s);"""

### Requête 70

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 71

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 72

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'using'

WHERE id = %s;

"""

### Requête 73

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 74

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 75

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'using'

WHERE id = %s;

"""

### Requête 76

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 77

#### Objet :

#### Sql :

sql = """SELECT id FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 78

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_sensor, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 79

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_coating, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 80

#### Objet :

#### Sql :

sql = """UPDATE tank\_configuration

SET validate = 'f'

WHERE ref = %s AND number = %s;

"""

### Requête 81

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 82

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 83

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'good'

WHERE id = %s;

"""

### Requête 84

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'Out of order'

WHERE id = %s;

"""

### Requête 85

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 86

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'good'

WHERE id = %s;

"""

### Requête 87

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'Out of order'

WHERE id = %s;

"""

### Requête 88

#### Objet :

#### Sql :

sql = """DELETE FROM sensor\_coating\_config WHERE id\_position\_on\_tank = (SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON pot.id\_tank = t.id JOIN type\_tank tt ON t.id\_type\_tank = tt.id WHERE tt.ref = %s AND t.number = %s AND pot.num\_loc = %s) AND id\_tank\_configuration = %s AND (id\_coating = (SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s) OR id\_sensor = (SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s));"""

### Requête 89

#### Objet :

#### Sql :

sql = """SELECT \* FROM type\_coating WHERE ref = %s;"""

### Requête 90

#### Objet :

#### Sql :

sql = """SELECT c.id FROM coating c JOIN type\_coating tc ON c.id\_type\_coating = tc.id WHERE tc.ref = %s AND c.number = %s;"""

### Requête 91

#### Objet :

#### Sql :

sql = """UPDATE coating

SET state = 'using'

WHERE id = %s;

"""

### Requête 92

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 93

#### Objet :

#### Sql :

sql = """SELECT s.id FROM sensor s WHERE s.type = %s AND s.number = %s;"""

### Requête 94

#### Objet :

#### Sql :

sql = """UPDATE sensor

SET state = 'using'

WHERE id = %s;

"""

### Requête 95

#### Objet :

#### Sql :

sql = """SELECT pot.id FROM position\_on\_tank pot JOIN tank t ON t.id = pot.id\_tank JOIN type\_tank tt ON tt.id = t.id\_type\_tank WHERE pot.num\_loc = %s AND tt.ref = %s AND t.number = %s AND pot.ref = %s;"""

### Requête 96

#### Objet :

#### Sql :

sql = """SELECT id FROM tank\_configuration WHERE ref = %s AND number = %s;"""

### Requête 97

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_sensor, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête 98

#### Objet :

#### Sql :

insert\_query = 'INSERT INTO sensor\_coating\_config (id\_position\_on\_tank, id\_coating, id\_tank\_configuration) VALUES {}'.format(records\_list\_template)

### Requête

#### Objet :

#### Sql :

### Requête

#### Objet :

#### Sql :

### Requête

#### Objet :

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