```
RESULTAT DES TESTS

========================== test session starts ===============================
platform darwin -- Python 3.6.2, pytest-5.2.2, py-1.8.0, pluggy-0.13.0
rootdir: /Users/emiliendurif/Dropbox/cpge/ipt_mpsi_ds/DS08/correction_auto/scrip
t/DS_08_touileb
plugins: timeout-1.3.4
timeout: 60.0s
timeout method: signal
timeout func_only: False
collected 22 items

test_TP.py ........FFFF.F.F.FFFFF                                         [100%]

================================== FAILURES ==================================
_____ test_Q7_req _____

    def test_Q7_req ():
>       assert requete(sol_Q7_req) == requete(Q7_req)
E       AssertionError: assert [('DUPONT', '...-52-56'), ...] == [('DUPONT', '..
.-52-50'), ...]
E         At index 2 diff: ('DUBOIS', '02-41-58-89-52') != ('DUPONT', '01-44-28-
52-50')
E         Right contains 44 more items, first extra item: ('GAL', '04-90-78-10-6
8')
E         Use -v to get the full diff

test_TP.py:122: AssertionError
_____ test_Q8_req _____

    def test_Q8_req ():
>       assert requete(sol_Q8_req) == requete(Q8_req)
E       AssertionError: assert [('BENATTAR',), ('MARTIN',)] == [(2, 'M.', 'M...r
nard', None)]
E         At index 0 diff: ('BENATTAR',) != (2, 'M.', 'MARTIN', 'Marc', 'Transpo
rts MARTIN & fils')
E         Right contains 2 more items, first extra item: (91, 'M.', 'BENATTAR',
'Pierre', None)
E         Use -v to get the full diff

test_TP.py:125: AssertionError
_____ test_Q9_req _____

    def test_Q9_req ():
>       assert requete(sol_Q9_req) == requete(Q9_req)

test_TP.py:128:
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
req = 'SELECT COUNT(CLI_ID) FROM '

    def requete (req):
        conn = sqlite3.connect('../../bdd/hotel_'+convert(alpha)+'.db')
        c=conn.cursor()
>       c.execute(req)
E       sqlite3.OperationalError: near " ": syntax error

test_TP.py:25: OperationalError
_____ test_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(93.0, 127.0)' == '93.0,127.0'
E         - (93.0, 127.0)
E         ? -      -       -
E         + 93.0,127.0

test_TP.py:131: AssertionError
```

_____ test_Q11_res _____

```
    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(93.0, 127)' == '93,127'
E         - (93.0, 127)
E         + 93,127

test_TP.py:137: AssertionError
```
_____ test_Q12_req _____

```
    def test_Q12_req ():
>       assert requete(sol_Q12_req) == requete(Q12_req)
E       assert [(1,), (2,), ...], (26,), ...] == [(1,), (3,), ...,), (2,), ...]
E         At index 1 diff: (2,) != (3,)
E         Right contains 915 more items, first extra item: (689,)
E         Use -v to get the full diff

test_TP.py:143: AssertionError
```
_____ test_Q14_req _____

```
    def test_Q14_req ():
>       assert requete(sol_Q14_req) == requete(Q14_req)
E       assert [] == [(1,), (2,), ...,), (6,), ...]
E         Right contains 87 more items, first extra item: (1,)
E         Use -v to get the full diff

test_TP.py:149: AssertionError
```
_____ test_Q15_res _____

```
    def test_Q15_res ():
>       assert sol_Q15_res.upper() ==  Q15_res.upper()
E       assert "('SILLET', 'JACQUES', 1397)" == 'NOM,PRENOM,MONTANT'
E         - ('SILLET', 'JACQUES', 1397)
E         + NOM,PRENOM,MONTANT

test_TP.py:152: AssertionError
```
_____ test_Q15_req _____

```
    def test_Q15_req ():
>       assert requete(sol_Q15_req) == requete(Q15_req)
E       AssertionError: assert [('SILLET', 'Jacques', 1397)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 1397)
E         Use -v to get the full diff

test_TP.py:155: AssertionError
```
_____ test_Q15_res2 _____

```
    def test_Q15_res2 ():
>       assert sol_Q15_res2.upper() ==  Q15_res.upper()
E       assert "('GARREAU', 'PAUL', 22)" == 'NOM,PRENOM,MONTANT'
E         - ('GARREAU', 'PAUL', 22)
E         + NOM,PRENOM,MONTANT

test_TP.py:158: AssertionError
```
_____ test_Q15_req2 _____

```
    def test_Q15_req2 ():
>       assert requete(sol_Q15_req2) == requete(Q15_req)
E       AssertionError: assert [('GARREAU', 'Paul', 22)] == []
E         Left contains one more item: ('GARREAU', 'Paul', 22)
E         Use -v to get the full diff

test_TP.py:161: AssertionError
===================== 11 failed, 11 passed in 0.97s =========================
```

```
NOM = "TOUILEB"
Prenom = "Laura"
Classe = "MPSI2"
alpha="78"

## Question 1
Q1_req = "SELECT CLI_NOM, CLI_PRENOM,TIT_CODE FROM T_CLIENT;"

## Question 2
Q2_req = "SELECT COUNT (*) FROM T_CLIENT;"
Q2_res = "87"

## Question 3

Q3_req = "SELECT CLI_NOM,CLI_PRENOM FROM T_CLIENT WHERE TIT_CODE ='Mme.';"

## Question 4
Q4_req = "SELECT  CLI_NOM, CLI_PRENOM,TIT_CODE FROM T_CLIENT WHERE TIT_CODE = 'M
me.' OR TIT_CODE = 'Melle.';"


## Question 5
Q5_req = "SELECT COUNT(*) FROM (SELECT  CLI_NOM, CLI_PRENOM,TIT_CODE FROM T_CLIE
NT WHERE TIT_CODE = 'Mme.' OR TIT_CODE = 'Melle.');"
Q5_res = "16"

## Question 6
Q6_req = "SELECT CLI_NOM AS Noms, CLI_PRENOM AS Prénoms FROM (SELECT  CLI_NOM, C
LI_PRENOM,TIT_CODE FROM T_CLIENT WHERE TIT_CODE = 'Mme.' OR TIT_CODE = 'Melle.')
 ORDER BY Noms;"


## Question 7
Q7_req = "SELECT T_CLIENT.CLI_NOM, T_TELEPHONE.TEL_NUMERO FROM T_CLIENT JOIN T_T
ELEPHONE ON T_CLIENT.CLI_ID = T_TELEPHONE.CLI_ID;"

## Question 8
Q8_req = "SELECT * FROM T_CLIENT WHERE CLI_NOM IN (SELECT CLI_NOM FROM T_CLIENT
GROUP BY CLI_NOM HAVING COUNT(CLI_NOM) > 1);"

## Question 9
Q9_req = "SELECT COUNT(CLI_ID) FROM "
Q9_res = "2,2"

## Question 10
Q10_req = "SELECT AVG(LIF_REMISE_POURCENT), AVG(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE;"
Q10_res = "93.0,127.0"

## Question 11
Q11_req = "SELECT max(LIF_REMISE_POURCENT), max(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE;"
Q11_res = "93,127"

## Question 12
Q12_req = "SELECT FAC_ID AS fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_POURCE
NT NOT NULL OR LIF_REMISE_MONTANT NOT NULL;"


## Question 13
Q13_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE JOIN T_LIGNE_FACTURE ON T_LIGNE
_FACTURE.FAC_ID = T_FACTURE.FAC_ID WHERE LIF_REMISE_POURCENT NOT NULL OR LIF_REM
ISE_MONTANT NOT NULL;"

## Question 14
Q14_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE JOIN T_LIGNE_FACTURE ON T_LIGNE
_FACTURE.FAC_ID = T_FACTURE.FAC_ID WHERE LIF_REMISE_POURCENT IS NULL AND LIF_REM
ISE_MONTANT IS NULL;"
```

```
## Question 15
Q15_req = ""
Q15_res ="nom,prenom,montant"
```