```
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_fortin
plugins: timeout-1.3.4
timeout: 60.0s
timeout method: signal
timeout func_only: False
collected 22 items


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


================================== FAILURES ==================================
_____ test_Q4_req _____

    def test_Q4_req ():
>       assert requete(sol_Q4_req) == requete(Q4_req)
E       AssertionError: assert [('DUHAMEL', ... 'Mme.'), ...] == [('BOYER', 'M..
. 'Mme.'), ...]
E         At index 0 diff: ('DUHAMEL', 'Evelyne', 'Melle.') != ('BOYER', 'Martin
e', 'Mme.')
E         Use -v to get the full diff

test_TP.py:110: AssertionError
_____ test_Q7_req _____

    def test_Q7_req ():
>       assert requete(sol_Q7_req) == requete(Q7_req)
E       AssertionError: assert [('DUPONT', '...-87-87'), ...] == [('DUPONT', '..
.-42-95'), ...]
E         At index 2 diff: ('DUHAMEL', '01-54-11-43-21') != ('DUPONT', '01-44-28
-52-50')
E         Right contains 44 more items, first extra item: ('AIACH', '04-91-52-51
-52')
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 [('MARTIN',)] == [('MARTIN', '...Jean-Pierre')]
E         At index 0 diff: ('MARTIN',) != ('MARTIN', 'Marc')
E         Right contains 2 more items, first extra item: ('MARTIN', 'Martin')
E         Use -v to get the full diff

test_TP.py:125: AssertionError
_____ test_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(99.0, 133.0)' == 'REMISES EN P...NTANT = 133.0'
E         - (99.0, 133.0)
E         + REMISES EN POURCENTAGE = 99.0, REMISES EN MONTANT = 133.0

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(99.0, 133)' == 'REMISES EN P...NTANT = 133.0'
E         - (99.0, 133)
E         + REMISES EN POURCENTAGE = 99.0, REMISES EN MONTANT = 133.0

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

```
    def test_Q12_req ():
>       assert requete(sol_Q12_req) == requete(Q12_req)

test_TP.py:143:
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

req = 'SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTANT >
0 UNION SELECT FAC_ID, LIF_REMISE_MONTANT, LIF_REMISE_POURCENT as fac_id1 FROM T
_LIGNE_FACTURE WHERE LIF_REMISE_POURCENT > 0;'

    def requete (req):
        conn = sqlite3.connect('../../bdd/hotel_'+convert(alpha)+'.db')
        c=conn.cursor()
>       c.execute(req)
E       sqlite3.OperationalError: SELECTs to the left and right of UNION do not
have the same number of result columns

test_TP.py:25: OperationalError
_____ test_Q13_req _____

    def test_Q13_req ():
>       assert requete(sol_Q13_req) == requete(Q13_req)
E       assert [(1,), (2,), ...,), (8,), ...] == []
E         Left contains 86 more items, first extra item: (1,)
E         Use -v to get the full diff

test_TP.py:146: AssertionError
_____ test_Q15_res _____

    def test_Q15_res ():
>       assert sol_Q15_res.upper() ==  Q15_res.upper()
E       assert "('SILLET', 'JACQUES', 1463)" == 'NOM,PRENOM,MONTANT'
E         - ('SILLET', 'JACQUES', 1463)
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', 1463)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 1463)
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 1.50s =====================
```

```
NOM = "FORTIN"
Prenom = "Côme"
Classe = "MPSI2"
alpha="84"

## 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 = "86"

## 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.' UNION SELECT CLI_NOM, CLI_PRENOM, TIT_CODE FROM T_CLIENT WHERE TIT_CODE = '
Melle.';"


## Question 5
Q5_req = "SELECT count(*) as nbr_clientes FROM (SELECT CLI_NOM, CLI_PRENOM, TIT_
CODE FROM T_CLIENT WHERE TIT_CODE = 'Mme.' UNION SELECT CLI_NOM, CLI_PRENOM, TIT
_CODE FROM T_CLIENT WHERE TIT_CODE = 'Melle.');"
Q5_res = "15"

## Question 6
Q6_req = "SELECT CLI_NOM as Noms, CLI_PRENOM as Prénoms FROM (SELECT CLI_NOM, CL
I_PRENOM, TIT_CODE FROM T_CLIENT WHERE TIT_CODE = 'Mme.' UNION SELECT CLI_NOM, C
LI_PRENOM, TIT_CODE FROM T_CLIENT WHERE TIT_CODE = 'Melle.') ORDER by CLI_NOM AS
C, CLI_PRENOM ASC;"


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

## Question 8
Q8_req = "SELECT T_CLIENT.CLI_NOM, T_CLIENT.CLI_PRENOM FROM T_CLIENT WHERE T_CLI
ENT.CLI_NOM = (SELECT T_CLIENT.CLI_NOM FROM T_CLIENT GROUP by T_CLIENT.CLI_NOM H
AVING count(CLI_NOM) >=2);"

## Question 9
Q9_req = "SELECT CLI_NOM, count(*) as même_nom FROM T_CLIENT GROUP by CLI_NOM HA
VING même_nom >=2;"
Q9_res = "Martin = 3"

## Question 10
Q10_req = "SELECT avg(LIF_REMISE_POURCENT) as moyenne_pourcent, avg(LIF_REMISE_M
ONTANT) as moyenne_montant FROM T_LIGNE_FACTURE;"
Q10_res = "Remises en pourcentage = 99.0, Remises en montant = 133.0"

## Question 11
Q11_req = "SELECT max(LIF_REMISE_POURCENT) as max_pourcent, max(LIF_REMISE_MONTA
NT) as max_montant FROM T_LIGNE_FACTURE;"
Q11_res = "Remises en pourcentage = 99.0, Remises en montant = 133.0"

## Question 12
Q12_req = "SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTAN
T > 0 UNION SELECT FAC_ID, LIF_REMISE_MONTANT, LIF_REMISE_POURCENT as fac_id1 FR
OM T_LIGNE_FACTURE WHERE LIF_REMISE_POURCENT > 0;"


## Question 13
Q13_req = ""

## Question 14
```

```
Q14_req = ""


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