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


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


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

    def test_Q4_req ():
>       assert requete(sol_Q4_req) == requete(Q4_req)
E       AssertionError: assert [('DAUMIER', ... 'Mme.'), ...] == [('BOYER', 'M..
. 'Mme.'), ...]
E         At index 0 diff: ('DAUMIER', 'Amélie', 'Melle.') != ('BOYER', 'Martine
', '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', '...-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 14109 more items, first extra item: ('DUPONT', '04-91-5
2-51-52')
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 [('BENATTAR',), ('MARTIN',)] == []
E         Left contains 2 more items, first extra item: ('BENATTAR',)
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)
E       AssertionError: assert [('BENATTAR',...('MARTIN', 2)] == [(1, 'AIACH')..
.AVEREL'), ...]
E         At index 0 diff: ('BENATTAR', 2) != (1, 'AIACH')
E         Right contains 86 more items, first extra item: (1, 'AUZENAT')
E         Use -v to get the full diff

test_TP.py:128: AssertionError
_____ test_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(80.0, 114.0)' == 'MOYENNE REMI...NTANT : 114.0'
E         - (80.0, 114.0)
E         + MOYENNE REMISE POURCENTAGE : 80.0, REMISE MONTANT : 114.0

test_TP.py:131: AssertionError
```

_____ test_Q11_res _____

```
    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(80.0, 114)' == 'MAX REMISE P...MONTANT : 114'
E         - (80.0, 114)
E         + MAX REMISE POURCENTAGE : 80, REMISE MONTANT : 114

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 925 more items, first extra item: (691,)
E         Use -v to get the full diff

test_TP.py:143: AssertionError
```
_____ test_Q13_req _____

```
    def test_Q13_req ():
>       assert requete(sol_Q13_req) == requete(Q13_req)
E       assert [(1,), (2,), ...,), (6,), ...] == [(1,)]
E         Left contains 89 more items, first extra item: (2,)
E         Use -v to get the full diff

test_TP.py:146: AssertionError
```
_____ test_Q14_req _____

```
    def test_Q14_req ():
>       assert requete(sol_Q14_req) == requete(Q14_req)
E       assert [] == [(1,)]
E         Right contains one more 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 "('MEDARD', 'JACQUES', 1368)" == 'NOM,PRENOM,MONTANT'
E         - ('MEDARD', 'JACQUES', 1368)
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 [('MEDARD', 'Jacques', 1368)] == []
E         Left contains one more item: ('MEDARD', 'Jacques', 1368)
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
========================= 13 failed, 9 passed in 0.35s =========================
```

```
E       AssertionError: assert [('GARREAU', 'Paul', 22)] == []
E           Left contains one more item: ('GARREAU', 'Paul', 22)
E           Use −v to get the full diff
```

```
NOM = "BERTON"
Prenom = "Margot"
Classe = "MPSI 2"
alpha="65"

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

## Question 2
Q2_req = """SELECT COUNT(CLI_ID)
            FROM T_CLIENT;"""
Q2_res = "90"

## 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 = "Mme."

            UNION

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


## Question 5
Q5_req = """SELECT COUNT(CLI_ID)
            FROM T_CLIENT
            WHERE TIT_CODE = "Mme." OR TIT_CODE = "Melle.";"""
Q5_res = "13"

## Question 6
Q6_req = """SELECT CLI_NOM AS Noms,CLI_PRENOM AS Prénoms
            FROM T_CLIENT
            WHERE TIT_CODE = "Mme." or TIT_CODE = "Melle."
            ORDER BY Noms ASC;"""


## Question 7
Q7_req = """SELECT CLI_NOM,TEL_NUMERO
            FROM T_CLIENT,T_TELEPHONE;"""

## Question 8
Q8_req = ""

## Question 9
Q9_req = """SELECT COUNT(*) AS "Nombre d'occurences",CLI_NOM
            FROM T_CLIENT
            GROUP BY CLI_NOM;"""
Q9_res = "1 pour tous, sauf pour Martin et Benattar : 2"

## Question 10
Q10_req = """SELECT AVG(LIF_REMISE_POURCENT),AVG(LIF_REMISE_MONTANT)
             FROM T_LIGNE_FACTURE;"""
Q10_res = "Moyenne remise pourcentage : 80.0, remise montant : 114.0"

## Question 11
Q11_req = """SELECT MAX(LIF_REMISE_POURCENT),MAX(LIF_REMISE_MONTANT)
             FROM T_LIGNE_FACTURE;"""
Q11_res = "Max remise pourcentage : 80, remise montant : 114"

## Question 12
```

```
Q12_req = """SELECT FAC_ID AS fac_id1
             FROM T_LIGNE_FACTURE
             WHERE LIF_REMISE_MONTANT IS NOT NULL
                   OR LIF_REMISE_POURCENT IS NOT NULL;"""


## Question 13
Q13_req = """SELECT CLI_ID
             FROM T_FACTURE
             WHERE T_FACTURE.FAC_ID = (SELECT FAC_ID AS fac_id1
                                                      FROM T_LIGNE_FACT
URE
                                                      WHERE LIF_REMISE_
MONTANT IS NOT NULL
                                                          OR LIF_RE
MISE_POURCENT IS NOT NULL)
;"""

## Question 14
Q14_req = """SELECT CLI_ID
             FROM T_FACTURE
             WHERE T_FACTURE.FAC_ID = (SELECT FAC_ID AS fac_id1
                                                      FROM T_LIGNE_FACT
URE
                                                      WHERE LIF_REMISE_
MONTANT IS NULL
                                                          AND LIF_R
EMISE_POURCENT IS NULL)"""


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