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


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

================================== FAILURES ==================================
_____ test_Q1_req _____

    def test_Q1_req ():
>       assert requete(sol_Q1_req) == requete(Q1_req)
E       AssertionError: assert [('DUPONT', '...Melle.'), ...] == [('M.', 'DUPO..
.velyne'), ...]
E         At index 0 diff: ('DUPONT', 'Alain', 'M.') != ('M.', 'DUPONT', 'Alain'
)
E         Use -v to get the full diff

test_TP.py:98: AssertionError
_____ test_Q4_req _____

    def test_Q4_req ():
>       assert requete(sol_Q4_req) == requete(Q4_req)
E       AssertionError: assert [('DUHAMEL', ... 'Mme.'), ...] == [('Melle.', '..
.onique'), ...]
E         At index 0 diff: ('DUHAMEL', 'Evelyne', 'Melle.') != ('Melle.', 'DUHAM
EL', 'Evelyne')
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', '...-92-21'), ...] == [('DUPONT', '..
.-43-21'), ...]
E         At index 0 diff: ('DUPONT', '01-45-42-56-63') != ('DUPONT', 'Alain', '
01-45-42-56-63')
E         Right contains 43 more items, first extra item: ('GAL', 'Fabrice', '04
-90-78-10-68')
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',)] == [('AIACH', 'A...édéric'), ...]
E         At index 0 diff: ('MARTIN',) != ('AIACH', 'Alexandre')
E         Right contains 84 more items, first extra item: ('ALBERT', 'Christian'
)
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 [('MARTIN', 2)] == [(1, 'AIACH')...AVEREL'), ...]
E         At index 0 diff: ('MARTIN', 2) != (1, 'AIACH')
E         Right contains 84 more items, first extra item: (1, 'ALBERT')
```

```
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 '(97.0, 131.0)' == '97 ; 131.0'
E         − (97.0, 131.0)
E         + 97 ; 131.0

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(97.0, 131)' == '97; 131'
E         − (97.0, 131)
E         + 97; 131

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,), ...] == [(3,), (4,), ...), (51,), ...]
E         At index 0 diff: (1,) != (3,)
E         Left contains 195 more items, first extra item: (1166,)
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,), (4,), ...,), (8,), ...] == [(1,), (4,), ...,), (8,), ...]
E         At index 54 diff: (64,) != (65,)
E         Left contains one more item: (100,)
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', 1441)" == 'SILLET,JACQUES,1441'
E         − ('SILLET', 'JACQUES', 1441)
E         ? --        − --        − −     −
E         + SILLET,JACQUES,1441

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', 1441)] == [(1441, 'SILLET'
, 'Jacques')]
E         At index 0 diff: ('SILLET', 'Jacques', 1441) != (1441, 'SILLET', 'Jacq
ues')
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)" == 'SILLET,JACQUES,1441'
E         − ('GARREAU', 'PAUL', 22)
```

```
E          + SILLET,JACQUES,1441

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)] == [(1441, 'SILLET', 'J
acques')]
E         At index 0 diff: ('GARREAU', 'Paul', 22) != (1441, 'SILLET', 'Jacques'
)
E         Use -v to get the full diff

test_TP.py:161: AssertionError
========================= 13 failed, 9 passed in 0.36s =========================
```

```
NOM = "BRAMAS"
Prenom = "Timothe"
Classe = "Mpsi2"
alpha="82"

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

## Question 2
Q2_req = "SELECT count (*) as NB_clients 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 TIT_CODE, CLI_NOM, CLI_PRENOM FROM T_CLIENT WHERE TIT_CODE = 'M
me.' or TIT_CODE='Melle.'"


## Question 5
Q5_req = "SELECT count (*) as NB_clientes FROM (SELECT TIT_CODE, CLI_NOM, CLI_PR
ENOM FROM T_CLIENT 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 T_CLIENT WHERE TIT_
CODE = 'Mme.' or TIT_CODE='Melle.' ORDER by CLI_NOM, CLI_PRENOM ASC"


## Question 7
Q7_req = "SELECT CLI_NOM, CLI_PRENOM, TEL_NUMERO FROM T_CLIENT, T_TELEPHONE WHER
E T_CLIENT.CLI_ID = T_TELEPHONE.CLI_ID"

## Question 8
Q8_req = "SELECT  CLI_NOM, CLI_PRENOM FROM T_CLIENT GROUP by CLI_NOM"

## Question 9
Q9_req = "SELECT  count(*), CLI_NOM FROM T_CLIENT GROUP by CLI_NOM"
Q9_res = "1"

## Question 10
Q10_req = "SELECT avg(LIF_REMISE_POURCENT) as moyenne_pourcentage, avg(LIF_REMIS
E_MONTANT) as moyenne_montant FROM T_LIGNE_FACTURE"
Q10_res = "97 ; 131.0"

## Question 11
Q11_req = "SELECT max(LIF_REMISE_POURCENT) as max_pourcentage, max(LIF_REMISE_MO
NTANT) as max_montant FROM T_LIGNE_FACTURE "
Q11_res = "97; 131"

## Question 12
Q12_req = "SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTAN
T >0 GROUP by FAC_ID"


## Question 13
Q13_req = "SELECT CLI_ID FROM T_LIGNE_FACTURE, T_FACTURE WHERE LIF_REMISE_MONTAN
T > 0 AND T_LIGNE_FACTURE.FAC_ID = T_FACTURE.FAC_ID GROUP by CLI_ID"

## Question 14
Q14_req = "SELECT CLI_ID FROM T_LIGNE_FACTURE, T_FACTURE WHERE LIF_REMISE_MONTAN
T= NULL AND T_LIGNE_FACTURE.FAC_ID = T_FACTURE.FAC_ID GROUP by CLI_ID"


## Question 15
Q15_req = "SELECT max(nb_remises)*131 as remise_totale, CLI_NOM, CLI_PRENOM FROM
 (SELECT nb_remises, CLI_ID, CLI_NOM, CLI_PRENOM FROM (SELECT CLI_ID as id_clien
```

```
t, LIF_REMISE_MONTANT, count() as nb_remises FROM T_LIGNE_FACTURE, T_FACTURE WHE
RE LIF_REMISE_MONTANT > 0 AND T_LIGNE_FACTURE.FAC_ID = T_FACTURE.FAC_ID GROUP by
 CLI_ID), T_CLIENT WHERE id_client = T_CLIENT.CLI_ID)"
Q15_res ="SILLET,Jacques,1441"
```

```
t, LIF_REMISE_MONTANT, count() as nb_remises FROM T_LIGNE_FACTURE, T_FACTURE WHE
RE LIF_REMISE_MONTANT > 0 AND T_LIGNE_FACTURE.FAC_ID = T_FACTURE.FAC_ID GROUP by
 CLI_ID), T_CLIENT WHERE id_client = T_CLIENT.CLI_ID)"
```