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


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


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

    def test_Q1_req ():
>       assert requete(sol_Q1_req) == requete(Q1_req)
E       AssertionError: assert [('DUPONT', '...', 'M.'), ...] == [('M.', 'DUPO..
. 'Paul'), ...]
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', '...-52-56'), ...] == [('DUPONT', '..
.-43-21'), ...]
E         At index 2 diff: ('DREYFUS', '01-51-58-52-50') != ('DUPONT', '01-44-28
-52-50')
E         Right contains 49 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_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(54.0, 88.0)' == '54.0, 88.0'
E         - (54.0, 88.0)
E         ? -          -
E         + 54.0, 88.0

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(54.0, 88)' == '54, 88'
E         - (54.0, 88)
E         ? -    --    -
E         + 54, 88
```

```
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,), ...] == []
E         Left contains 366 more items, first extra item: (1,)
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,), ...,), (7,), ...] == []
E         Left contains 94 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 "('DUQUESNAY'...CQUES', 1056)" == 'NOM,PRENOM,MONTANT'
E         - ('DUQUESNAY', 'JACQUES', 1056)
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 [('DUQUESNAY'...cques', 1056)] == []
E         Left contains one more item: ('DUQUESNAY', 'Jacques', 1056)
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 0.39s ========================
```

```
NOM = "BERNHARD"
Prenom = "Théophane"
Classe = "MPSI2"
alpha="39"

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

## Question 2
Q2_req = "SELECT COUNT(*) FROM T_CLIENT"
Q2_res = "94"

## 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='Mme
.' OR TIT_CODE='Melle.'"


## Question 5
Q5_req = "SELECT count(*) 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 ASC, CLI_PRENOM ASC"


## 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 CLI_NOM FROM (SELECT CLI_NOM, COUNT(CLI_NOM) AS fr FROM T_CLIEN
T GROUP BY CLI_NOM) WHERE fr>=2"

## Question 9
Q9_req = "SELECT CLI_NOM, fr FROM (SELECT CLI_NOM, COUNT(CLI_NOM) AS fr FROM T_C
LIENT GROUP BY CLI_NOM) WHERE fr>=2"
Q9_res = "BENATTAR 2 fois, MARTIN 3 fois"

## Question 10
Q10_req = "SELECT AVG(LIF_REMISE_POURCENT), AVG(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE"
Q10_res = "54.0, 88.0"

## Question 11
Q11_req = "SELECT max(LIF_REMISE_POURCENT), max(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE"
Q11_res = "54, 88"

## Question 12
Q12_req = ""


## Question 13
Q13_req = ""

## Question 14
Q14_req = ""


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