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

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

=================================== FAILURES ===================================
_____________________________________ test_Q1_req _____________________________________

    def test_Q1_req ():
>       assert requete(sol_Q1_req) == requete(Q1_req)
E       AssertionError: assert [('DUPONT', '...', 'M.'), ...] == [('M.', 'DUPO..
.'Alain'), ...]
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', '..
.-52-50'), ...]
E         At index 2 diff: ('DUBOIS', '02-41-58-89-52') != ('DUPONT', '01-44-28-
52-50')
E         Right contains 50 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_Q9_req _____________________________________

    def test_Q9_req ():
>       assert requete(sol_Q9_req) == requete(Q9_req)
E       AssertionError: assert [('BENATTAR',...('MARTIN', 3)] == [(2,)]
E         At index 0 diff: ('BENATTAR', 2) != (2,)
E         Left contains one more item: ('MARTIN', 3)
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 '(27.0, 61.0)' == '27 ET 61'
E         - (27.0, 61.0)
E         + 27 ET 61
```

```
test_TP.py:131: AssertionError
_____________________________________ test_Q11_res _____________________________________

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(27.0, 61)' == '27 ET 61'
E         - (27.0, 61)
E         + 27 ET 61

test_TP.py:137: AssertionError
_____________________________________ test_Q12_req _____________________________________

    def test_Q12_req ():
>       assert requete(sol_Q12_req) == requete(Q12_req)
E       assert [(1,), (2,), ...), (27,), ...] == [(1,), (3,), ...,), (2,), ...]
E         At index 1 diff: (2,) != (3,)
E         Right contains 848 more items, first extra item: (668,)
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,), (1,), ...,), (1,), ...]
E         At index 1 diff: (2,) != (1,)
E         Right contains 1052 more items, first extra item: (10,)
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,), (1,), ...,), (1,), ...]
E         Right contains 1682 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', 671)" == 'NOM,PRENOM,MONTANT'
E         - ('SILLET', 'JACQUES', 671)
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', 671)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 671)
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 0.42s ==========================
```

```
NOM = "bonnefoy"
Prenom = "léo"
Classe = "mpsi2"
alpha="12"

## 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 = "97"

## 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 = "17"

## Question 6
Q6_req = "select CLI_NOM as Noms,CLI_PRENOM  as Prenoms from T_CLIENT where TIT_
CODE='Mme.' or TIT_CODE='Melle.' group by Noms"


## Question 7
Q7_req = "select CLI_NOM as Noms,TEL_NUMERO as nb_telephone from T_CLIENT,T_TELE
PHONE where T_CLIENT.CLI_ID=T_TELEPHONE.CLI_ID"

## Question 8
Q8_req = "select CLI_NOM as Noms from T_CLIENT group by CLI_NOM having count(Nom
s)>1"

## Question 9
Q9_req = "select count(*) from ( select CLI_NOM as Noms from T_CLIENT group by C
LI_NOM having count(Noms)>1)"
Q9_res = "2select avg(LIF_REMISE_POURCENT) as val_moyenne_remise , avg(LIF_REMIS
E_MONTANT) as val_moyenne_montant from T_LIGNE_FACTURE"

## Question 10
Q10_req = "select avg(LIF_REMISE_POURCENT) as val_moyenne_remise , avg(LIF_REMIS
E_MONTANT) as val_moyenne_montant from T_LIGNE_FACTURE"
Q10_res = "27 et 61"

## Question 11
Q11_req = "select max(LIF_REMISE_POURCENT) as val_max_remise , max(LIF_REMISE_MO
NTANT) as val_max_montant from T_LIGNE_FACTURE"
Q11_res = "27 et 61"

## Question 12
Q12_req = "select FAC_ID as fac_id1 from T_LIGNE_FACTURE where LIF_REMISE_POURCE
NT<>'NULL' or LIF_REMISE_MONTANT <> 'NULL'"


## Question 13
Q13_req = "select  CLI_ID from T_FACTURE,(select FAC_ID as fac_id1 from T_LIGNE_
FACTURE where LIF_REMISE_POURCENT<>'NULL' or LIF_REMISE_MONTANT <> 'NULL')where
fac_id1=FAC_ID "

## Question 14
Q14_req = "select  CLI_ID from T_FACTURE,(select FAC_ID as fac_id2 from T_LIGNE_
FACTURE EXCEPT select FAC_ID as fac_id1 from T_LIGNE_FACTURE where LIF_REMISE_PO
URCENT<>'NULL' or LIF_REMISE_MONTANT <> 'NULL') where fac_id2=FAC_ID"
```

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