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

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

================================== FAILURES ================================
_____ test_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(103.0, 137.0)' == '103.0,137.0'
E         - (103.0, 137.0)
E         ? -       -     -
E         + 103.0,137.0

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(103.0, 137)' == '103,137'
E         - (103.0, 137)
E         + 103,137

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 922 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 1025 more items, first extra item: (7,)
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', 1507)" == 'NOM,PRENOM,MONTANT'
E         - ('SILLET', 'JACQUES', 1507)
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', 1507)] == []
```

```
E          Left contains one more item: ('SILLET', 'Jacques', 1507)
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
======================= 8 failed, 14 passed in 0.31s =======================
```

```
NOM = "Azahriou"
Prenom = "Mohamed"
Classe = "mpsi2"
alpha="88"

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

## Question 2
Q2_req = "select count(*) as nb_client 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='Mme
.' or TIT_CODE='Melle.';"


## Question 5
Q5_req = "SELECT count(*) 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;"


## Question 7
Q7_req = "select T_CLIENT.CLI_NOM as Noms, T_TELEPHONE.TEL_NUMERO from T_CLIENT
join T_TELEPHONE on T_TELEPHONE.CLI_ID=T_CLIENT.CLI_ID where T_TELEPHONE.TYP_COD
E='TEL';"

## Question 8
Q8_req = "SELECT CLI_NOM from T_CLIENT group by CLI_NOM having count(CLI_NOM)>1;
"

## Question 9
Q9_req = "SELECT CLI_NOM, count(cli_nom) from T_CLIENT group by CLI_NOM having c
ount(CLI_NOM)>1"
Q9_res = "BENATTAR2,MARTIN2"

## Question 10
Q10_req = "select avg(LIF_remise_pourcent) as moyenne_pourcent, avg(LIF_remise_m
ontant) from T_LIGNE_FACTURE;"
Q10_res = "103.0,137.0"

## 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 = "103,137"

## Question 12
Q12_req = "select FAC_ID as fact_id1 from T_LIGNE_FACTURE where LIF_REMISE_MONTA
NT>0 or LIF_REMISE_POURCENT>0;"


## Question 13
Q13_req = "select T_facture.CLI_ID from T_FACTURE join T_LIGNE_FACTURE on T_LIGN
E_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_REMISE_MONTANT>0 or LIF_REMISE_POURC
ENT>0;"

## Question 14
Q14_req = ""
```

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