```
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_cavina
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.FFF.                                        [100%]

=================================== FAILURES ===================================
_________________________________ test_Q4_req __________________________________

    def test_Q4_req ():
>       assert requete(sol_Q4_req) == requete(Q4_req)

test_TP.py:110:
_ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

req = "SELECT CLI_NOM, CLI_PRENOM, TIT_CODE FROM T_CLIENT where TIT_CODE='Mme.'
or TIT_CODE=''Melle.';"

    def requete (req):
        conn = sqlite3.connect('../../bdd/hotel_'+convert(alpha)+'.db')
        c=conn.cursor()
>       c.execute(req)
E       sqlite3.OperationalError: near "Melle": syntax error

test_TP.py:25: OperationalError
_________________________________ test_Q10_res _________________________________

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(37.0, 71.0)' == 'REMISE_POURC...ONTANT : 71.0'
E         - (37.0, 71.0)
E         + REMISE_POURCENTAGE: 37.0; REMISE_MONTANT : 71.0

test_TP.py:131: AssertionError
_________________________________ test_Q11_res _________________________________

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(37.0, 71)' == 'MAX_POURCENT...MONTANT : 71 '
E         - (37.0, 71)
E         + MAX_POURCENT : 37 ;MAX_MONTANT : 71

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 876 more items, first extra item: (714,)
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 1058 more items, first extra item: (9,)
```

```
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 "('THIERY', 'FATHY', 781)" == 'LETERRIER,MONIQUE,1491'
E         - ('THIERY', 'FATHY', 781)
E         + LETERRIER,MONIQUE,1491

test_TP.py:152: AssertionError
_____________________________________ test_Q15_req _____________________________________

    def test_Q15_req ():
>       assert requete(sol_Q15_req) == requete(Q15_req)
E       AssertionError: assert [('THIERY', 'Fathy', 781)] == [('LETERRIER', 'Mon
ique', 21)]
E         At index 0 diff: ('THIERY', 'Fathy', 781) != ('LETERRIER', 'Monique',
21)
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 "('LETERRIER', 'MONIQUE', 21)" == 'LETERRIER,MONIQUE,1491'
E         - ('LETERRIER', 'MONIQUE', 21)
E         ? --          - --       - -- ^
E         + LETERRIER,MONIQUE,1491
E         ?                    ^^^

test_TP.py:158: AssertionError
========================== 8 failed, 14 passed in 0.37s ==========================
```

```
NOM = "Cavina"
Prenom = "Theo"
Classe = "MPSI2"
alpha="22"

## 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 = "94"

## 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 = "17"

## 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 = "BENATTAR      2; MARTIN       3"

## Question 10
Q10_req = "select avg(LIF_remise_pourcent) as moyenne_pourcent, avg(LIF_remise_m
ontant) as moyenne_montant from T_LIGNE_FACTURE;"
Q10_res = "remise_pourcentage: 37.0; remise_montant : 71.0"

## 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 = "max_pourcent : 37 ;max_montant : 71 "

## 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 = "select CLI_ID from T_FACTURE except select T_facture.CLI_ID from T_FA
CTURE join T_LIGNE_FACTURE on T_LIGNE_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_
REMISE_MONTANT>0 or LIF_REMISE_POURCENT>0;"
```

```
## Question 15
Q15_req = "select T_CLIENT.CLI_NOM,T_CLIENT.CLI_PRENOM, max(nb_reduc) from (sele
ct T_FACTURE.CLI_ID,count(T_FACTURE.CLI_ID) as nb_reduc from T_FACTURE join T_LI
GNE_FACTURE on T_LIGNE_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_REMISE_MONTANT>
0 or LIF_REMISE_POURCENT>0 group by CLI_ID) as c join T_CLIENT on T_CLIENT.CLI_I
D=c.CLI_ID;"
Q15_res ="LETERRIER,Monique,1491"
```