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

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

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

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(32.0, 66.0)' == '32.0 ; 66.0'
E         - (32.0, 66.0)
E         ? -      ^     -
E         + 32.0 ; 66.0
E         ?      ^^

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(32.0, 66)' == '32 ; 66'
E         - (32.0, 66)
E         + 32 ; 66

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 1059 more items, first extra item: (10,)
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 "('MEDARD', 'JACQUES', 792)" == 'GARREAU,PAUL,22'
E         - ('MEDARD', 'JACQUES', 792)
E         + GARREAU,PAUL,22

test_TP.py:152: AssertionError
_____ test_Q15_req _____

    def test_Q15_req ():
>       assert requete(sol_Q15_req) == requete(Q15_req)
```

```
E          AssertionError: assert [('MEDARD', 'Jacques', 792)] == [('GARREAU', 'Pau
l', 22)]
E          At index 0 diff: ('MEDARD', 'Jacques', 792) != ('GARREAU', 'Paul', 22)
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)" == 'GARREAU,PAUL,22'
E         − ('GARREAU', 'PAUL', 22)
E         ? --      − --     − −  −
E         + GARREAU,PAUL,22

test_TP.py:158: AssertionError
======================== 7 failed, 15 passed in 0.36s =========================

MODIFICATIONS EFFECTUEES SUR LE FICHIER RENDU
=============================================


--- prog.py.orig        2020−06−22 08:23:20.000000000 +0200
+++ prog.py     2020−06−24 14:55:32.000000000 +0200
@@ −28,6 +28,7 @@
 ## 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_CO
DE='TEL';"

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

@@ −51,13 +52,9 @@
 Q13_req = "select T_facture.CLI_ID from T_FACTURE join T_LIGNE_FACTURE on T_LIG
NE_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_REMISE_MONTANT>0 or LIF_REMISE_POUR
CENT>0;"

 ## Question 14
-Q14_req = "SELECT T_FACTURE.CLI_ID FROM T_FACTURE
-EXCEPT
-SELECT T_FACTURE.CLI_ID FROM T_FACTURE, T_LIGNE_FACTURE WHERE (LIF_REMISE_POURC
ENT>0 OR LIF_REMISE_MONTANT>0) AND T_FACTURE.FAC_ID=T_LIGNE_FACTURE.FAC_ID"
+Q14_req = "SELECT T_FACTURE.CLI_ID FROM T_FACTURE EXCEPT SELECT T_FACTURE.CLI_I
D FROM T_FACTURE, T_LIGNE_FACTURE WHERE (LIF_REMISE_POURCENT>0 OR LIF_REMISE_MON
TANT>0) AND T_FACTURE.FAC_ID=T_LIGNE_FACTURE.FAC_ID"


 ## Question 15
-Q15_req = "select T_CLIENT.CLI_NOM,T_CLIENT.CLI_PRENOM, max(nb_reduc) from
-(select T_FACTURE.CLI_ID,count(T_FACTURE.CLI_ID) as nb_reduc from T_FACTURE joi
n T_LIGNE_FACTURE on T_LIGNE_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_REMISE_MO
NTANT>0 or LIF_REMISE_POURCENT>0 group by CLI_ID) as c
-join T_CLIENT on T_CLIENT.CLI_ID=c.CLI_ID;"
+Q15_req = "select T_CLIENT.CLI_NOM,T_CLIENT.CLI_PRENOM, max(nb_reduc) from (sel
ect T_FACTURE.CLI_ID,count(T_FACTURE.CLI_ID) as nb_reduc from T_FACTURE join T_L
IGNE_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_
ID=c.CLI_ID;"
 Q15_res ="GARREAU,Paul,22"
```

```
NOM = "AHAMADA"
Prenom = "Hakim"
Classe = "MPSI2"
alpha="17"

## 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 = "97"

## 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 remise_montant from T_LIGNE_FACTURE;"
Q10_res = "32.0 ; 66.0"

## 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 = "32 ; 66"

## Question 12
Q12_req = "select FAC_ID as fac_id1 from T_LIGNE_FACTURE where LIF_REMISE_MONTAN
T>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 T_FACTURE.CLI_ID FROM T_FACTURE
EXCEPT
SELECT T_FACTURE.CLI_ID FROM T_FACTURE, T_LIGNE_FACTURE WHERE (LIF_REMISE_POURCE
```

```
NT>0 OR LIF_REMISE_MONTANT>0) AND T_FACTURE.FAC_ID=T_LIGNE_FACTURE.FAC_ID"


## Question 15
Q15_req = "select T_CLIENT.CLI_NOM,T_CLIENT.CLI_PRENOM, max(nb_reduc) from
(select T_FACTURE.CLI_ID,count(T_FACTURE.CLI_ID) as nb_reduc from T_FACTURE join
 T_LIGNE_FACTURE on T_LIGNE_FACTURE.FAC_ID=T_FACTURE.FAC_ID where LIF_REMISE_MON
TANT>0 or LIF_REMISE_POURCENT>0 group by CLI_ID) as c
join T_CLIENT on T_CLIENT.CLI_ID=c.CLI_ID;"
Q15_res ="GARREAU,Paul,22"
```