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

test_TP.py F...F...FF.F.F.F..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.', '..
.Carmen'), ...]
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 47 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_Q8_req _____

    def test_Q8_req ():
>       assert requete(sol_Q8_req) == requete(Q8_req)
E       AssertionError: assert [('BENATTAR',), ('MARTIN',)] == [('MARTIN', '...'
, 'Bernard')]
E         At index 0 diff: ('BENATTAR',) != ('MARTIN', 'Marc')
E         Right contains 3 more items, first extra item: ('MARTIN', 'Jean-Pierre
')
E         Use -v to get the full diff

test_TP.py:125: AssertionError
_____ test_Q10_res _____

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(65.0, 99.0)' == '65.0\t99.0'
E         - (65.0, 99.0)
```

```
E        ? −     ^^    −
E        + 65.0        99.0
E        ?      ^

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(65.0, 99)' == '65\t99'
E         − (65.0, 99)
E         + 65  99

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 897 more items, first extra item: (690,)
E         Use −v to get the full diff

test_TP.py:143: AssertionError
_____ test_Q15_res _____

    def test_Q15_res ():
>       assert sol_Q15_res.upper() ==  Q15_res.upper()
E       assert "('SILLET', 'JACQUES', 1089)" == 'SILLET,JACQUES,1089'
E         − ('SILLET', 'JACQUES', 1089)
E         ? --        − --        − −     −
E         + SILLET,JACQUES,1089

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', 1089)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 1089)
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)" == 'SILLET,JACQUES,1089'
E         − ('LETERRIER', 'MONIQUE', 21)
E         + SILLET,JACQUES,1089

test_TP.py:158: AssertionError
_____ test_Q15_req2 _____

    def test_Q15_req2 ():
>       assert requete(sol_Q15_req2) == requete(Q15_req)
E       AssertionError: assert [('LETERRIER', 'Monique', 21)] == []
E         Left contains one more item: ('LETERRIER', 'Monique', 21)
E         Use −v to get the full diff

test_TP.py:161: AssertionError
======================= 11 failed, 11 passed in 0.35s =========================

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

--- prog.py.orig       2020−06−22 08:23:38.000000000 +0200
+++ prog.py     2020−06−24 14:55:57.000000000 +0200
```

```
@@ −14,17 +14,15 @@
 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.'"
+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='Me
lle.'"
+Q5_req = "SELECT COUNT( * ) FROM T_CLIENT WHERE TIT_CODE='Mme.' OR TIT_CODE='Me
lle.'"
 Q5_res = "15"

 ## Question 6
-Q6_req = "SELECT CLI_NOM,CLI_PRENOM FROM T_CLIENT WHERE
-TIT_CODE='Mme.' OR TIT_CODE='Melle.' ORDER BY CLI_NOM,CLI_PRENOM ASC "
+Q6_req = "SELECT CLI_NOM,CLI_PRENOM FROM T_CLIENT WHERE TIT_CODE='Mme.' OR TIT_
CODE='Melle.' ORDER BY CLI_NOM,CLI_PRENOM ASC "


 ## Question 7
@@ −35,8 +33,7 @@

 ## Question 9
 Q9_req = "SELECT CLI_NOM,nb FROM (SELECT CLI_NOM,COUNT(CLI_NOM) as nb FROM T_CL
IENT GROUP BY CLI_NOM) WHERE nb>1"
-Q9_res = "BENATTAR     2
-MARTIN 3"
+Q9_res = "BENATTAR     2 MARTIN         3"

 ## Question 10
 Q10_req = "SELECT AVG (LIF_REMISE_POURCENT),AVG(LIF_REMISE_MONTANT) FROM T_LIGN
E_FACTURE"
@@ −51,8 +48,7 @@


 ## Question 13
-Q13_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE JOIN (SELECT FAC_ID as fac_id1
 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTANT NOT NULL OR LIF_REMISE_POURCENT N
OT NULL)
-ON T_FACTURE.FAC_ID=fac_id1"
+Q13_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE JOIN (SELECT FAC_ID as fac_id1
 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTANT NOT NULL OR LIF_REMISE_POURCENT N
OT NULL) ON T_FACTURE.FAC_ID=fac_id1"

 ## Question 14
 Q14_req = "SELECT CLI_ID FROM T_CLIENT EXCEPT SELECT DISTINCT CLI_ID FROM T_FAC
TURE JOIN (SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTAN
T NOT NULL OR LIF_REMISE_POURCENT NOT NULL) ON T_FACTURE.FAC_ID=fac_id1;"
```

```
NOM = "CHEVALIER"
Prenom = "Valentin"
Classe = "MPSI2"
alpha="50"

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

## Question 2
Q2_req = "SELECT COUNT(*) AS nbclient FROM (SELECT CLI_ID FROM T_CLIENT)"
Q2_res = "90"

## 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='Mel
le.'"
Q5_res = "15"

## Question 6
Q6_req = "SELECT CLI_NOM,CLI_PRENOM FROM T_CLIENT WHERE
TIT_CODE='Mme.' OR TIT_CODE='Melle.' ORDER BY CLI_NOM,CLI_PRENOM ASC "


## Question 7
Q7_req = "SELECT CLI_NOM, TEL_NUMERO FROM T_CLIENT JOIN T_TELEPHONE ON T_CLIENT.
CLI_ID=T_TELEPHONE.CLI_ID"

## Question 8
Q8_req = "SELECT CLI_NOM,CLI_PRENOM FROM T_CLIENT JOIN(SELECT CLI_NOM as nom,COU
NT(CLI_NOM) as nb FROM T_CLIENT GROUP BY CLI_NOM)ON T_CLIENT.CLI_NOM=nom  WHERE
nb>1"

## Question 9
Q9_req = "SELECT CLI_NOM,nb FROM (SELECT CLI_NOM,COUNT(CLI_NOM) as nb FROM T_CLI
ENT GROUP BY CLI_NOM) WHERE nb>1"
Q9_res = "BENATTAR      2
MARTIN  3"

## Question 10
Q10_req = "SELECT AVG (LIF_REMISE_POURCENT),AVG(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE"
Q10_res = "65.0 99.0"

## Question 11
Q11_req = "SELECT max (LIF_REMISE_POURCENT),max(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE"
Q11_res = "65    99"

## Question 12
Q12_req = "SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTAN
T NOT NULL OR LIF_REMISE_POURCENT NOT NULL"


## Question 13
Q13_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE JOIN (SELECT FAC_ID as fac_id1
FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTANT NOT NULL OR LIF_REMISE_POURCENT NO
T NULL)
ON T_FACTURE.FAC_ID=fac_id1"

## Question 14
Q14_req = "SELECT CLI_ID FROM T_CLIENT EXCEPT SELECT DISTINCT CLI_ID FROM T_FACT
```

```
URE JOIN (SELECT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE LIF_REMISE_MONTANT
 NOT NULL OR LIF_REMISE_POURCENT NOT NULL) ON T_FACTURE.FAC_ID=fac_id1;"


## Question 15
Q15_req = ""
Q15_res ="SILLET,Jacques,1089"
```