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


test_TP.py F..FF...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.'), ...] == [(87,)]
E         At index 0 diff: ('DUPONT', 'Alain', 'M.') != (87,)
E         Left contains 86 more items, first extra item: ('MARTIN', 'Marc', 'M.'
)
E         Use -v to get the full diff

test_TP.py:98: AssertionError
_____ test_Q3_req _____

    def test_Q3_req ():
>       assert requete(sol_Q3_req) == requete(Q3_req)
E       AssertionError: assert [('BOYER', 'M...ueline'), ...] == [('Martine', ..
.'DAVID'), ...]
E         At index 0 diff: ('BOYER', 'Martine') != ('Martine', 'BOYER')
E         Use -v to get the full diff

test_TP.py:107: AssertionError
_____ test_Q4_req _____

    def test_Q4_req ():
>       assert requete(sol_Q4_req) == requete(Q4_req)
E       AssertionError: assert [('DUHAMEL', ... 'Mme.'), ...] == [('Evelyne', ..
. 'Mme.'), ...]
E         At index 0 diff: ('DUHAMEL', 'Evelyne', 'Melle.') != ('Evelyne', 'DUHA
MEL', 'Melle.')
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 43 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 '(87.0, 121.0)' == 'POURCENT : 8...ONTANT: 121.0'
E         − (87.0, 121.0)
E         + POURCENT : 87.0, MONTANT: 121.0

test_TP.py:131: AssertionError
_____ test_Q11_res _____

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(87.0, 121)' == 'POURCENT : 8...NTANT : 121.0'
E         − (87.0, 121)
E         + POURCENT : 87.0,MONTANT : 121.0

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 915 more items, first extra item: (689,)
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', 1331)" == 'NOM,PRENOM,MONTANT'
E         − ('SILLET', 'JACQUES', 1331)
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', 1331)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 1331)
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)" == 'NOM,PRENOM,MONTANT'
E         − ('LETERRIER', 'MONIQUE', 21)
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 [('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
```

```
======================= 12 failed, 10 passed in 0.36s =========================

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

--- prog.py.orig        2020-06-22 08:23:41.000000000 +0200
+++ prog.py     2020-06-24 14:56:01.000000000 +0200
@@ -22,7 +22,7 @@
 Q5_res = "13"

 ## 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
```

```
NOM = "Cros-Wieczorek"
Prenom = "Louis"
Classe = "MPSI2"
alpha="72"
```

Question 1
```
Q1_req = "SELECT COUNT(*) as nbclients FROM (SELECT DISTINCT CLI_ID FROM T_CLIEN
T)"
```

Question 2
```
Q2_req = "SELECT COUNT(*) as nbclients FROM (SELECT DISTINCT CLI_ID FROM T_CLIEN
T)"
Q2_res = "87"
```

Question 3
```
Q3_req = "SELECT CLI_PRENOM,CLI_NOM FROM T_CLIENT WHERE TIT_CODE='Mme.'"
```

Question 4
```
Q4_req = "SELECT CLI_PRENOM,CLI_NOM,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='Mel
le.'"
Q5_res = "13"
```

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 = "3 Martin et 2 Benattar"
```

Question 10
```
Q10_req = "SELECT AVG (LIF_REMISE_POURCENT),AVG(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE"
Q10_res = "Pourcent : 87.0, Montant: 121.0"
```

Question 11
```
Q11_req = "SELECT MAX(LIF_REMISE_POURCENT),MAX(LIF_REMISE_MONTANT) FROM T_LIGNE_
FACTURE"
Q11_res = "Pourcent : 87.0,Montant : 121.0"
```

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 ="nom,prenom,montant"
```