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

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

=================================== FAILURES ===================================
_____________________________________ test_Q7_req _____________________________________

    def test_Q7_req ():
>       assert requete(sol_Q7_req) == requete(Q7_req)
E       AssertionError: assert [('DUPONT', '...-92-21'), ...] == [('DUPONT', '..
.-52-50'), ...]
E         At index 1 diff: ('DUPONT', '01-44-28-52-52') != ('MARTIN', '01-44-28-
52-52')
E         Left contains 25 more items, first extra item: ('ROUSSILLON', '01-47-4
9-49-94')
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_Q9_req _____________________________________

    def test_Q9_req ():
>       assert requete(sol_Q9_req) == requete(Q9_req)
E       AssertionError: assert [('BENATTAR',...('MARTIN', 3)] == [(2, 'BENATTA..
.(3, 'MARTIN')]
E         At index 0 diff: ('BENATTAR', 2) != (2, 'BENATTAR')
E         Use -v to get the full diff

test_TP.py:128: AssertionError
_____________________________________ test_Q10_res _____________________________________

    def test_Q10_res ():
>       assert sol_Q10_res.upper() ==  Q10_res.upper()
E       AssertionError: assert '(19.0, 53.0)' == '19.0 ; 53.0'
E         - (19.0, 53.0)
E         ? -    ^     -
E         + 19.0 ; 53.0
E         ?     ^^

test_TP.py:131: AssertionError
_____________________________________ test_Q11_res _____________________________________

    def test_Q11_res ():
>       assert sol_Q11_res.upper() ==  Q11_res.upper()
E       AssertionError: assert '(19.0, 53)' == '19 ; 53'
E         - (19.0, 53)
E         + 19 ; 53
```

```
test_TP.py:137: AssertionError
_____________________________________ test_Q13_req _____________________________________

    def test_Q13_req ():
>       assert requete(sol_Q13_req) == requete(Q13_req)
E       assert [(1,), (2,), ...,), (6,), ...] == [(1,), (2,), ...,), (6,), ...]
E         At index 95 diff: (99,) != (98,)
E         Right contains 331 more items, first extra item: (100,)
E         Use -v to get the full diff

test_TP.py:146: AssertionError
_____________________________________ test_Q14_req _____________________________________

    def test_Q14_req ():
>       assert requete(sol_Q14_req) == requete(Q14_req)
E       assert [] == [(5,), (6,), ...), (10,), ...]
E         Right contains 80 more items, first extra item: (5,)
E         Use -v to get the full diff

test_TP.py:149: AssertionError
_____________________________________ test_Q15_res _____________________________________

    def test_Q15_res ():
>       assert sol_Q15_res.upper() ==  Q15_res.upper()
E       assert "('SILLET', 'JACQUES', 583)" == 'NOM,PRENOM,MONTANT'
E         - ('SILLET', 'JACQUES', 583)
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', 583)] == []
E         Left contains one more item: ('SILLET', 'Jacques', 583)
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 "('THOMASSE',...-CLAUDE', 20)" == 'NOM,PRENOM,MONTANT'
E         - ('THOMASSE', 'JEAN-CLAUDE', 20)
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 [('THOMASSE',...-Claude', 20)] == []
E         Left contains one more item: ('THOMASSE', 'Jean-Claude', 20)
E         Use -v to get the full diff

test_TP.py:161: AssertionError
======================== 11 failed, 11 passed in 0.59s =========================

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

--- prog.py.orig        2020-06-22 08:23:54.000000000 +0200
+++ prog.py     2020-06-24 14:56:37.000000000 +0200
@@ -1,93 +1,57 @@
 NOM = "FREY"
 Prenom = "Elsa"
 Classe = "MPSI2"
```

```
-alpha="04"
+alpha="4"

 ## Question 1
-Q1_req = "Select Distinct CLI_NOM, CLI_PRENOM,TIT_CODE
-from T_CLIENT;"
+Q1_req = "Select Distinct CLI_NOM, CLI_PRENOM,TIT_CODE from T_CLIENT;"

 ## Question 2
-Q2_req = "Select Count(*)
-from T_CLIENT;"
+Q2_req = "Select Count(*) from T_CLIENT;"
 Q2_res = "97"

 ## Question 3
-Q3_req = "Select CLI_NOM, CLI_PRENOM
-from T_CLIENT
-Where TIT_CODE='Mme.';"
+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='Melle.' or TIT_CODE='Mme.';"
+Q4_req = "Select CLI_NOM, CLI_PRENOM, TIT_CODE from T_CLIENT Where TIT_CODE='Me
lle.' or TIT_CODE='Mme.';"


 ## Question 5
-Q5_req = "Select Count(*)
-from T_CLIENT
-Where TIT_CODE='Melle.' or TIT_CODE='Mme.';"
+Q5_req = "Select Count(*) from T_CLIENT Where TIT_CODE='Melle.' or TIT_CODE='Mm
e.';"
 Q5_res = "17"

 ## Question 6
-Q6_req = "
-Select CLI_NOM AS Noms , CLI_PRENOM as Prénoms
-from T_CLIENT
-Where TIT_CODE='Melle.' or TIT_CODE='Mme.'
-Order by Noms ASC, Prénoms asc;"
+Q6_req = "Select CLI_NOM AS Noms , CLI_PRENOM as Prénoms from T_CLIENT Where TI
T_CODE='Melle.' or TIT_CODE='Mme.' Order by Noms ASC, Prénoms asc;"


 ## Question 7
-Q7_req = "Select T_CLIENT.CLI_NOM as Noms, T_TELEPHONE.TEL_NUMERO as num_tel
-from T_CLIENT, T_TELEPHONE
-Where T_CLIENT.CLI_ID=T_TELEPHONE.TEL_ID;"
+Q7_req = "Select T_CLIENT.CLI_NOM as Noms, T_TELEPHONE.TEL_NUMERO as num_tel fr
om T_CLIENT, T_TELEPHONE Where T_CLIENT.CLI_ID=T_TELEPHONE.TEL_ID;"

 ## Question 8
-Q8_req = "SELECT   CLI_NOM, CLI_PRENOM
-FROM     T_CLIENT
-Where CLI_NOM='BENATTAR' or CLI_NOM='MARTIN';"
+Q8_req = "SELECT CLI_NOM, CLI_PRENOM FROM T_CLIENT Where CLI_NOM='BENATTAR' or
CLI_NOM='MARTIN';"

 ## Question 9
-Q9_req = "SELECT   COUNT(*) AS nbr_doublon, CLI_NOM
-FROM     T_CLIENT
-GROUP BY CLI_NOM
-HAVING   COUNT(*) > 1;"
-Q9_res = "Benattar:2
-Martin:3"
+Q9_req = "SELECT   COUNT(*) AS nbr_doublon, CLI_NOM FROM T_CLIENT GROUP BY CLI_
```

```
NOM HAVING   COUNT(*) > 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_req = "Select AVG(LIF_REMISE_POURCENT),AVG(LIF_REMISE_MONTANT) from T_LIGNE
_FACTURE;"
 Q10_res = "19.0 ; 53.0"

 ## Question 11
-Q11_req = "
-Select MAX(LIF_REMISE_POURCENT),MAX(LIF_REMISE_MONTANT)
-from T_LIGNE_FACTURE;"
+Q11_req = " Select MAX(LIF_REMISE_POURCENT),MAX(LIF_REMISE_MONTANT) from T_LIGN
E_FACTURE;"
 Q11_res = "19 ; 53"

 ## Question 12
-Q12_req = "Select distinct FAC_ID as fac_id1
-from T_LIGNE_FACTURE
-Where LIF_REMISE_MONTANT not null or LIF_REMISE_POURCENT not null;"
+Q12_req = "Select distinct FAC_ID as fac_id1 from T_LIGNE_FACTURE Where LIF_REM
ISE_MONTANT not null or LIF_REMISE_POURCENT not null;"


 ## Question 13
-Q13_req = "Select distinct CLI_ID
-from T_FACTURE
-Union
-Select distinct FAC_ID as fac_id1
-from T_LIGNE_FACTURE
-Where LIF_REMISE_MONTANT not null or LIF_REMISE_POURCENT not null;"
+Q13_req = "Select distinct CLI_ID from T_FACTURE Union Select distinct FAC_ID a
s fac_id1 from T_LIGNE_FACTURE Where LIF_REMISE_MONTANT not null or LIF_REMISE_P
OURCENT not null;"

 ## Question 14
-Q14_req = "Select distinct CLI_ID
-from T_FACTURE
-Except
-Select distinct FAC_ID as fac_id1
-from T_LIGNE_FACTURE
-Where LIF_REMISE_MONTANT not null or LIF_REMISE_POURCENT not null;"
+Q14_req = "Select distinct CLI_ID from T_FACTURE Except Select distinct FAC_ID
as fac_id1 from T_LIGNE_FACTURE Where LIF_REMISE_MONTANT not null or LIF_REMISE_
POURCENT not null;"


 ## Question 15
```