```
NOM = "ABID"
Prenom = "Hamza"
Classe = "MPSI2"
alpha="32"
```

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

Question 2
```
Q2_req = "SELECT COUNT(*) FROM T_CLIENT;"
Q2_res = "93"
```

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 IN (
'Mme.', 'Melle.');"
```

Question 5
```
Q5_req = "SELECT COUNT(*) FROM T_CLIENT WHERE TIT_CODE IN ('Mme.', 'Melle.');"
Q5_res = "16"
```

Question 6
```
Q6_req = "SELECT CLI_NOM AS Noms, CLI_PRENOM AS Prenoms FROM T_CLIENT WHERE TIT_
CODE IN ('Mme.', 'Melle.') ORDER BY Noms, Prenoms ASC;"
```

Question 7
```
Q7_req = "SELECT cl.CLI_NOM, cl.CLI_PRENOM, tel.TEL_NUMERO FROM T_CLIENT as cl I
NNER JOIN T_TELEPHONE as tel ON cl.CLI_ID = tel.CLI_ID;"
```

Question 8
```
Q8_req = "SELECT CLI_NOM, CLI_PRENOM FROM T_CLIENT WHERE CLI_NOM IN (SELECT CLI_
NOM FROM T_CLIENT GROUP BY CLI_Nom HAVING COUNT(CLI_NOM) > 1);"
```

Question 9
```
Q9_req = "SELECT CLI_NOM, COUNT(*) as nb_occur FROM T_CLIENT GROUP BY CLI_Nom HA
VING nb_occur > 1"
Q9_res = "(BENATTAR, 2) et (MARTIN, 2)"
```

Question 10
```
Q10_req = "SELECT AVG(LIF_REMISE_POURCENT), AVG(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE;"
Q10_res = "Pourcentage : 47.0 et Montant : 81.0"
```

Question 11
```
Q11_req = "SELECT MAX(LIF_REMISE_POURCENT), MAX(LIF_REMISE_MONTANT) FROM T_LIGNE
_FACTURE;"
Q11_res = "Pourcentage : 47 et Montant : 81"
```

Question 12
```
Q12_req = "SELECT DISTINCT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE (LIF_REM
ISE_MONTANT IS NOT NULL) OR (LIF_REMISE_POURCENT IS NOT NULL);"
```

Question 13
```
Q13_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE AS fac WHERE fac.FAC_ID IN (SEL
ECT DISTINCT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE (LIF_REMISE_MONTANT IS
 NOT NULL) OR (LIF_REMISE_POURCENT IS NOT NULL));"
```

Question 14
```
Q14_req = "SELECT DISTINCT CLI_ID FROM T_FACTURE AS fac WHERE fac.FAC_ID IN (SEL
ECT DISTINCT FAC_ID FROM T_LIGNE_FACTURE WHERE (LIF_REMISE_MONTANT IS NULL) AND
(LIF_REMISE_POURCENT IS NULL));"
```

Question 15
```
Q15_req = "SELECT cli.CLI_NOM as nom, cli.CLI_PRENOM as prenom, SUM(LIF_REMISE_M
ONTANT)+SUM(LIF_REMISE_POURCENT) as valeur_max FROM T_FACTURE as fac INNER JOIN
T_CLIENT as cli ON fac.CLI_ID = cli.CLI_ID INNER JOIN (SELECT CLI_ID, MAX(nb) as
```

```
 max_nb FROM (SELECT CLI_ID, COUNT(*) as nb FROM T_FACTURE AS fac WHERE fac.FAC_
ID IN (SELECT DISTINCT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE (LIF_REMISE_
MONTANT IS NOT NULL) OR (LIF_REMISE_POURCENT IS NOT NULL)) GROUP BY CLI_ID)) as
max_tab ON fac.CLI_ID = max_tab.CLI_ID INNER JOIN T_LIGNE_FACTURE as ligfac ON l
igfac.FAC_ID = fac.FAC_ID;"
Q15_res ="Gérard,Mathieu,1037"

# Il y avait plusieurs personnes qui ont bénéficié du plus grand nombre de remis
es or une seule était demandée.
# J'ai donc mis celle que me proposait directement sqlite
```

```
 max_nb FROM (SELECT CLI_ID, COUNT(*) as nb FROM T_FACTURE AS fac WHERE fac.FAC_
ID IN (SELECT DISTINCT FAC_ID as fac_id1 FROM T_LIGNE_FACTURE WHERE (LIF_REMISE_
MONTANT IS NOT NULL) OR (LIF_REMISE_POURCENT IS NOT NULL)) GROUP BY CLI_ID)) as
max_tab ON fac.CLI_ID = max_tab.CLI_ID INNER JOIN T_LIGNE_FACTURE as ligfac ON l
igfac.FAC_ID = fac.FAC_ID;"
```