

```
NOM = "MOSTEFAOUI"  
Prenom = "Rayan"  
Classe = "MPSI2"  
alpha="67"
```

```
## Question 1
```

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

```
## Question 2
```

```
Q2_req = "SELECT COUNT(*) as nbclients FROM T_CLIENT;"
```

```
Q2_res = "89"
```

```
## 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(*) as nbclientes FROM (SELECT TIT_CODE,CLI_NOM,CLI_PRENOM  
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 (SELECT TIT_CODE,CL  
I_NOM,CLI_PRENOM FROM T_CLIENT WHERE TIT_CODE='Mme.' OR TIT_CODE='Melle.') ORDER  
BY Noms ASC, Prénoms ASC;"
```

```
## Question 7
```

```
Q7_req = "CREATE TABLE CLI_TEL AS SELECT T_CLIENT.CLI_NOM,T_TELEPHONE.TEL_NUMERO  
,T_TELEPHONE.TEL_LOCALISATION FROM T_CLIENT,T_TELEPHONE WHERE TYP_CODE='TEL' AND  
T_CLIENT.CLI_ID=T_TELEPHONE.CLI_ID;"
```

```
## Question 8
```

```
Q8_req = "SELECT CLI_NOM, as nb_occ FROM T_CLIENT WHERE COUNT(CLI_NOM) > 1;"
```

```
## Question 9
```

```
Q9_req = "SELECT CLI_NOM, COUNT(*) as nb_occ FROM T_CLIENT GROUP BY CLI_NOM HAVI  
NG nb_occ > 1;"
```

```
Q9_res = "MARTIN,2"
```

```
## Question 10
```

```
Q10_req = "SELECT AVG(LIF_REMISE_POURCENT) as moyenne_remise,AVG(LIF_REMISE_MONT  
ANT) as moyenne_montant FROM T_LIGNE_FACTURE;"
```

```
Q10_res = "82.0,116.0"
```

```
## Question 11
```

```
Q11_req = "SELECT MAX(LIF_REMISE_POURCENT) as moyenne_remise,MAX(LIF_REMISE_MONT  
ANT) as moyenne_montant FROM T_LIGNE_FACTURE;"
```

```
Q11_res = "82,116"
```

```
## Question 12
```

```
Q12_req = "SELECT DISTINCT T_LIGNE_FACTURE.FAC_ID as fac_id1 FROM T_LIGNE_FACTUR  
E WHERE LIF_REMISE_MONTANT NOTNULL OR LIF_REMISE_POURCENT NOTNULL;"
```

```
## Question 13
```

```
Q13_req = "SELECT DISTINCT T_FACTURE.CLI_ID FROM T_FACTURE JOIN T_LIGNE_FACTURE  
ON T_FACTURE.FAC_ID=T_LIGNE_FACTURE.FAC_ID WHERE LIF_REMISE_MONTANT NOTNULL OR L  
IF_REMISE_POURCENT NOTNULL;"
```

```
## Question 14
```

```
Q14_req = "SELECT T_FACTURE.CLI_ID FROM T_FACTURE EXCEPT SELECT DISTINCT T_FACTU  
RE.CLI_ID FROM T_FACTURE JOIN T_LIGNE_FACTURE ON T_FACTURE.FAC_ID=T_LIGNE_FACTUR  
E.FAC_ID WHERE LIF_REMISE_MONTANT NOTNULL OR LIF_REMISE_POURCENT NOTNULL;"
```

```
## Question 15
Q15_req = ""
Q15_res ="nom,prenom,montant"
```