

TP 15

(Q1)

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM  
FROM RESULTATS  
WHERE (((RESULTATS.EQUIPE)="ETHIOPIE"));
```

(Q2)

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM  
FROM RESULTATS  
WHERE RESULTATS.AN_NAISSANCE = (SELECT MIN(AN_NAISSANCE)  
FROM RESULTATS);
```

(Q3)

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM  
FROM CATEGORIES INNER JOIN RESULTATS ON CATEGORIES.CATEGORIE  
= RESULTATS.CATEGORIE  
WHERE (((CATEGORIES.SEXE)="f") AND ((RESULTATS.AN_NAISSANCE)=  
    (SELECT MIN(AN_NAISSANCE)  
    FROM CATEGORIES INNER JOIN RESULTATS ON CATEGORIES.CATEGORIE = RESULTATS.CATEGORIE  
    WHERE CATEGORIES.SEXE="f"))));
```

(Q4)

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM  
FROM RESULTATS  
WHERE ((RESULTATS.TEMPS_BOUCLE1 = RESULTATS.TEMPS_BOUCLE2)  
AND (RESULTATS.TEMPS_BOUCLE2 <> " —" ));
```

(Q5)

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM  
FROM RESULTATS  
WHERE (((RESULTATS.RANG-RESULTATS.RANG_BOUCLE1)=  
    (SELECT MAX(RESULTATS.RANG - RESULTATS.RANG_BOUCLE1)  
    FROM RESULTATS)));
```

(Q6)

```
SELECT TOP 1 *  
FROM  
    (SELECT EQUIPE, COUNT(EQUIPE) AS NB_ATHLETES  
    FROM RESULTATS  
    GROUP BY EQUIPE  
    ORDER BY 2 DESC);
```

(Q7)

```
SELECT TOP 1 *  
FROM  
    (SELECT RESULTATS.NOM, RESULTATS.PRENOM  
    FROM CATEGORIES INNER JOIN RESULTATS ON CATEGORIES.CATEGORIE = RESULTATS.CATEGORIE  
    WHERE((CATEGORIES.KM)=4.78))  
    ORDER BY RESULTATS.TEMPS ASC);
```

(Q8)

```
SELECT CATEGORIES.CATEGORIE, RESULTATS.RANG, RESULTATS.NOM,  
RESULTATS.PRENOM, RESULTATS.AN_NAISSANCE, RESULTATS.TEMPS  
FROM CATEGORIES INNER JOIN RESULTATS ON CATEGORIES.CATEGORIE  
= RESULTATS.CATEGORIE  
WHERE RESULTATS.RANG IN (1,2,3)  
ORDER BY CATEGORIES.CATEGORIE, RESULTATS.RANG;
```

(Q9)

```
SELECT RESULTATS.AN_NAISSANCE, COUNT(RESULTATS.AN_NAISSANCE)  
AS NB_ATHLETES  
FROM RESULTATS  
GROUP BY RESULTATS.AN_NAISSANCE  
ORDER BY 2 DESC;
```

(Q10)

```
SELECT (2004 - (1900 + RESULTATS.AN_NAISSANCE)) AS AGE, COUNT(RERESULTATS.AN_NAISSANCE) AS NB_ATHLETES
FROM RESULTATS
GROUP BY RESULTATS.AN_NAISSANCE
ORDER BY 1 DESC ;
```

(Q11)

C'est comme la question 8. sauf que ici on demande que le nom prénom des coureurs.

```
SELECT RESULTATS.NOM, RESULTATS.PRENOM
FROM CATEGORIES INNER JOIN RESULTATS ON CATEGORIES.CATEGORIE
= RESULTATS.CATEGORIE
WHERE RESULTATS.RANG IN (1,2,3)
ORDER BY CATEGORIES.CATEGORIE, RESULTATS.RANG ;
```

(Q12)

```
SELECT DISTINCT AGE, Min(RERESULTATS.TEMPS_KM) AS MinDe-
TEMPS_KM
FROM
  (SELECT (2004-(1900+RESULTATS.AN_NAISSANCE)) AS AGE,
  TEMPS_KM
  FROM RESULTATS
  WHERE isNumeric(TEMPS_KM)
  ORDER BY 1)
WHERE AGE Is Not Null GROUP BY AGE ORDER BY AGE ;
```

(Q13)

```
SELECT RESULTATS.PRENOM, Count(RERESULTATS.PRENOM) AS NB
FROM RESULTATS
WHERE CATEGORIE IN
  (SELECT categorie
  FROM categories
  WHERE Sexe = 'f')
GROUP BY RESULTATS.PRENOM ORDER BY 2 DESC ;
```

(Q14)

```
SELECT RESULTATS.PRENOM, Count(RERESULTATS.PRENOM) AS NB
FROM RESULTATS
WHERE CATEGORIE IN
    (SELECT categorie
     FROM categories
     WHERE Sexe = 'm')
GROUP BY RESULTATS.PRENOM ORDER BY 2 DESC;
```

(Q15)

```
SELECT RESULTATS.PRENOM, Count(RERESULTATS.PRENOM) AS NB
FROM RESULTATS
WHERE (CATEGORIE IN
    (SELECT categorie
     FROM categories
     WHERE Sexe = 'f')
    AND (RANG <= 100))
GROUP BY RESULTATS.PRENOM ORDER BY 2 DESC;
```

(Q16)

```
SELECT RESULTATS.PRENOM, Count(RERESULTATS.PRENOM) AS NB
FROM RESULTATS
WHERE (CATEGORIE IN
    (SELECT categorie
     FROM categories
     WHERE Sexe = 'm')
    AND (RANG <= 100))
GROUP BY RESULTATS.PRENOM ORDER BY 2 DESC;
```