***NOLLE***

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***L3 – Informatique***

**Base de Données (Devoir 2) :**

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| ***Note :*** | ***Observation :*** |
| ***/20*** |  |

Q1 :

SELECT DISTINCT NomClient

FROM CLIENT

INNER JOIN RESERVATION ON RESERVATION.ID\_Client = CLIENT.ID\_Client

INNER JOIN HOTEL ON HOTEL.ID\_Hotel = RESERVATION.ID\_Hotel

INNER JOIN STATION ON STATION.ID\_Station = HOTEL.ID\_Station

WHERE NomHotel = "Les Ducs de Savoie"

AND NomStation = "Courcheval"

Q2 :

SELECT DISTINCT HOTEL.NomHotel

FROM HOTEL

INNER JOIN RESERVATION AS R1 ON R1.ID\_Hotel = HOTEL.ID\_Hotel

INNER JOIN CLIENT AS C1 ON R1.ID\_Client = C1.ID\_Client

WHERE C1.NomClient = "Dupont"

AND R1.ID\_Hotel IN (SELECT R2.ID\_Hotel

FROM RESERVATION AS R2

INNER JOIN CLIENT AS C2 ON R2.ID\_Client = C2.ID\_Client

WHERE C2.NomClient = "Dubois")

Q3 :

SELECT COUNT(\*) AS nb\_hotels

FROM HOTEL

INNER JOIN STATION ON STATION.ID\_Station = HOTEL.ID\_STATION

WHERE NomStation = "Meribel"

Q4 :

SELECT NomClient

FROM CLIENT

INNER JOIN RESERVATION AS R1 ON R1.ID\_Client = CLIENT.ID\_Client

WHERE R1.ID\_Hotel IN (SELECT R2.ID\_Hotel

FROM RESRVATION AS R2

WHERE R2.ID\_Client = "CR148-20-03")

Q5 :

SELECT NomStation, COUNT(\*) AS nb\_hotel, SUM(NombrePlaces) AS total\_nb\_places

FROM STATION

INNER JOIN HOTEL ON HOTEL.ID\_Station = STATION.ID\_Station

GROUP BY NomStation

Q6 :

SELECT NomStation

FROM STATION

INNER JOIN HOTEL ON HOTEL.ID\_Station = STATION.ID\_Station

GROUP BY NomStation

HAVING SUM(NombrePlaces) >= 100

Q7 :

SELECT R1.ID\_Client

FROM RESERVATION AS R1

WHERE NOT EXISTS (SELECT S1.ID\_Station

FROM STATION AS S1

WHERE NOT EXISTS (SELECT HOTEL.ID\_Station, R2.ID\_Client

FROM RESERVATION AS R2

INNER JOIN HOTEL ON HOTEL.ID\_Hotel = R2.ID\_Hotel

WHERE HOTEL.ID\_Station = S1.ID\_Station

AND R2.ID\_Client = R1.ID\_Client))

Q8 :

SELECT NomClient

FROM CLIENT

WHERE ID\_Client NOT IN (SELECT DISTINCT RESERVATION.ID\_Client

FROM RESERVATION

INNER JOIN HOTEL ON HOTEL.ID\_Hotel = RESERVATION.ID\_Hotel

WHERE ID\_Station = 45)