

1 ---On the NorthWind database:

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3 --Find the product with highest unitprice

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5 **SELECT** max(unitPrice)

6 **FROM** Products

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8 **SELECT** \*

9 **FROM** Products

10 **WHERE** UnitPrice **IN** ( **SELECT** max(unitPrice) **FROM** Products);

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12 ---'in' appartenza ad un insieme

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17 --Find the employees that have managed at least an order, but have created no purchase order

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20 **SELECT** \*

21 **FROM** Employees **join** Orders **on** Employees.Id = Orders.EmployeeId

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24 **SELECT** **DISTINCT** Employees.\*

25 **FROM** Employees **join** Orders **on** Employees.Id = Orders.EmployeeId

26

27 **EXCEPT**

28

29 **SELECT** **DISTINCT** Employees.\*

30 **FROM** Employees **join** purchase\_orders **on** Employees.Id =  
purchase\_orders.created\_by

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32 -- con except le tab devono avere stessa struttura.

33 --SE SFRUTTO UNA QUERY NIDIFICATA:

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35 **SELECT** **DISTINCT** Employees.\*

36 **FROM** Employees **join** Orders **on** Employees.Id = Orders.EmployeeId

37 **WHERE** Employees.Id **not in**

38 ( **SELECT** created\_by

39 **FROM** purchase\_orders

40 **WHERE** created\_by **is not null** )

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42 --soluzione finale:

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44 **SELECT** **DISTINCT** Employees.\*

45 **FROM** Employees **join** Orders **on** Employees.Id = Orders.EmployeeId

46 **WHERE** **not exists**

47 ( **SELECT** \*

48 **FROM** purchase\_orders

49 **WHERE** Employees.Id = created\_by )

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-- viene eseguita prima la join incrocio employee e orders ne estraggo tutti gli employee e per ogni coppia ordine-dipendente viene eseguita la select ( ) in cui vengono estratti gli ordini di quella persona. la exist viene valutata vera se la select

interna restituisce almeno un riga. (exists è molto costoso perchè viene eseguito per ogni riga. ↗

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--Find the countries that have at least a customer, but no supplier

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SELECT Customers.Country
FROM Customers
where not EXISTS
  (select *
   from Suppliers
   where Suppliers.Country = Customers.Country);
```

---oppure except:

```
SELECT Customers.Country
FROM Customers
EXCEPT
```

```
select Suppliers.Country
from Suppliers
```

---con la not in:

```
SELECT distinct Customers.Country
FROM Customers
where country not in
  (select Country
   from Suppliers)
```