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| --- | --- | --- | --- | --- | --- |
| **SQL Joins Database table "product"; product\_id** | **product\_name** | **supplier\_name** | **unit\_price** | **units** |  |
| 100 | Camera | Nikon | 300 | 5 |  |
| 101 | Television | Onida | 100 | 26 |  |
| 102 | Refrigerator | Vediocon | 150 | 2 |  |
| 103 | Ipod | Apple | 75 | 25 |  |
| 104 | Mobile | Nokia | 50 | 28 |  |

1. Write the SQL needed to return for each order item the order id, the name of the product ordered and the customer id.

2. Write the SQL needed to return for each order item the order id, the id of the product ordered, and the name of the customer who ordered it.

3. Write the SQL needed to return the id of the order, the id of the product ordered and the id of any products which have a quantity in stock of more than that amount that has been ordered.

4. What would a natural join between order\_item and product produce?

Answers

1 . SELECT order\_id Product\_name Customer\_id

FROM order\_item

JOIN product USING (product\_id)

2. SELECT order\_id Product\_id Customer\_name

FROM order\_item

JOIN customer

ON Customer = Customer\_id

3. SELECT order\_id Product\_id Customer\_name

FROM order\_item O

JOIN Product P

ON P.units > O.units

4. SELECT order\_id Product\_id

FROM order\_item

NATURAL JOIN product

Outputs : 102 & 103