

## SQL Joins

<b>Database table "product";</b> <b><u>product_id</u> product_name supplier_name unit_price units</b> 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				
<b>table "order_item";</b> <b><u>order_id</u> product_id units customer</b> 5100 104 30 1 5101 102 5 2 5102 103 25 3 5103 101 10 4				<b>table "customer";</b> <b><u>customer_id</u> customer_name</b> 1 Infosys 2 Satyam 3 Wipro 4 TCS
<b>Primary keys: Underlined</b> <b>Foreign Key Relationships:</b> <b>In order_items:</b> <b>constraint ord_prod_fk foreign key (product_id) references product(product_id)</b> <b>constraint ord_cust_fk foreign key (customer) references customer(customer_id)</b>				

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?