

### Task P9.1.1

It is necessary to execute T1 in its entirety as if we execute statements one by one for T2, when T1 tries to read from Products, he only able to read the data that has been committed by T2.

For example if read write happens in given order,

Transaction T1	Transaction T2
	UPDATE Products SET QuantityOnHand= QuantityOnHand-2 WHERE ProductNumber=1;
SELECT * FROM Products WHERE ProductNumber=1;  SELECT * FROM Orders WHERE OrderNumber=945;  SELECT * FROM Order_Details WHERE OrderNumber=945;	
	INSERT INTO Orders (OrderNumber, OrderDate, ShipDate, CustomerID, EmployeeID) VALUES (945, '2015-09-04', '2015-09-05', 1004, 701);
	INSERT INTO Order_Details (OrderNumber, ProductNumber, QuotedPrice, QuantityOrdered) VALUES (945, 1, 1200.00, 2);

\*Transactions not happening in its entirety for T2.

\* vertical axis is timeline.

T1 only able to see change in product table but, not able to see changes in orders and order details and this will create non-repeatable reads which is very big problem for data consistency.