

Exercise 1					
<b>Undo</b>			<b>Redo</b>		
ROW ID	Primary Key	Value	ROW ID	Primary Key	Value
REMOVE			1		1 Milk, 1
REMOVE			2		2 Sandwich, 2.5
COMMIT			COMMIT		
REMOVE			3		3 Butter, 1.2
COMMIT			COMMIT		
REMOVE			4		4 Break, 3.8
COMMIT			COMMIT		
Exercise 2					
<b>Undo</b>			<b>Redo</b>		
ROW ID	Primary Key	Value	ROW ID	Primary Key	Value
A1	2	18	A1	2	13
B1	3	150,00	B1	3	137.5
REMOVE			C1	3, 2	2015-09-10, 5
COMMIT			COMMIT		
Exercise 3					
Demo Process			System Process		
<b>Undo</b>			<b>Redo</b>		
ROW ID	Primary Key	Value	ROW ID	Primary Key	Value
A1	2	13	A1	2	8
A2	1	100	A2	1	97
B1	3	137.5	B1	3	125
B2	4	50	B2	4	37.5
REMOVE			C2	3, 1	*sysdate*
REMOVE			C3	4, 2	*sysdate*
COMMIT			COMMIT		
ROLLBACK			ROLLBACK		
Annahme, Tabellen:					
<b>STOCK</b>					
ROWID	PRODUCT_ID	SHELF	PICES		
A1	2	to	18		
<b>CUSTOMER</b>					
ROWID	CUSTOMER_ID	FIRST_NAME	Credit		
B1	3	John	150,00		
Annahme, Tabellen:					
<b>STOCK</b>					
ROWID	PRODUCT_ID	SHELF	PICES		
A1	2	to	13		
A2	1	bo	100		
<b>CUSTOMER</b>					
ROWID	CUSTOMER_ID	FIRST_NAME	Credit		
B1	3	John	137.5		
B2	4	Max	50		