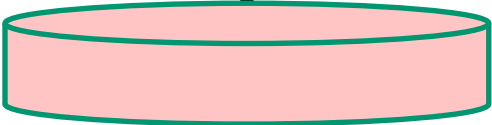
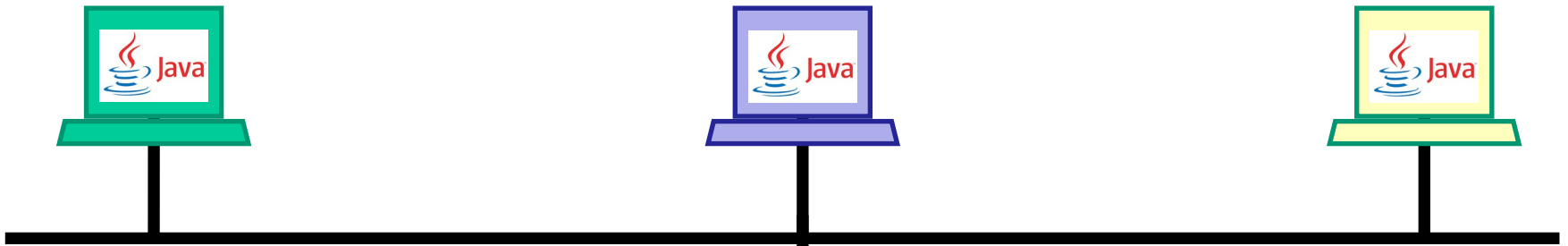


# **Local data**

Mag. Thomas Griesmayer



Mag. Thomas Griesmayer

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

getBankAccounts()

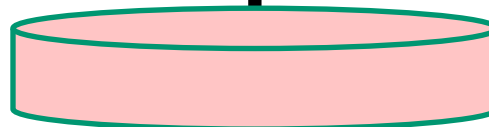
getBankAccounts()

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection



Mag. Thomas Griesmayer

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

```
SELECT *
FROM Account
WHERE ID = 3;

UPDATE Account
SET Amt = -150
WHERE ID = 3;

COMMIT;
```

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

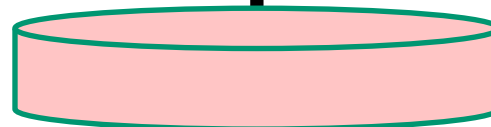
Collection

ID	Name	Amt
3	Fritz	-150

Collection

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection



ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-150

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```
double amt_neu = amt - 100;  
/* amt_neu = -200 */  
UPDATE Account  
SET Amt = amt_neu  
WHERE ID = 3;  
  
COMMIT;
```

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-200

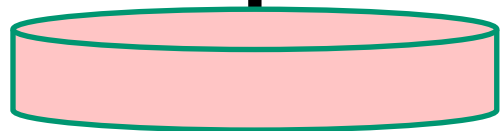
Collection

ID	Name	Amt
3	Fritz	-150

Collection

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection



ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-200

```
UPDATE Account
SET Amt = Amt - 100
WHERE ID = 3;

COMMIT;
```

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-300

Collection



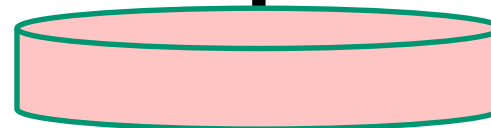
ID	Name	Amt
3	Fritz	-150

Collection



ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection



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ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-300

ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-300

Collection



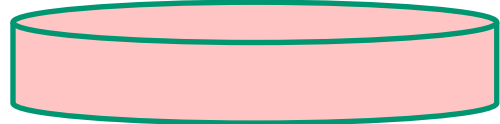
ID	Name	Amt
3	Fritz	-150

Collection



ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-100

Collection



ID	Name	Amt
1	Alex	400
2	Susi	600
3	Fritz	-300

Mag. Thomas Griesmayer

# Reading writing process

- Set **autocommit off**.
- Set the isolation level.
- Select necessary data for the business case - change the collection.
- Update data.
- End the transaction (**commit/rollback**).