Tugas Manajemen Basis Data

Materi Transaction

Membuat Query Tabel Account

```
CREATE TABLE Account(

ID SERIAL NOT NULL PRIMARY KEY,

NAME VARCHAR(50) NOT NULL,

BALANCE INTEGER NOT NULL,

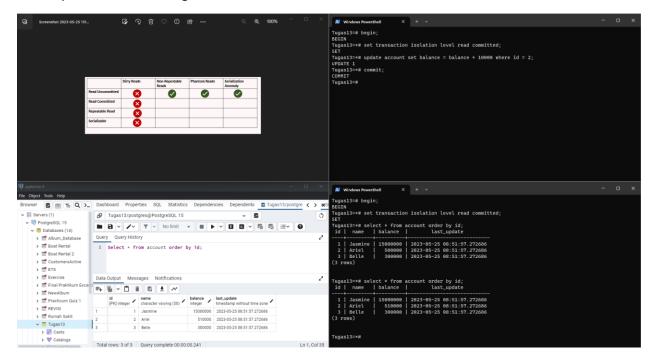
LAST_UPDATE TIMESTAMP DEFAULT NOW() NOT NULL
)
```

Membuat Insert Data Database

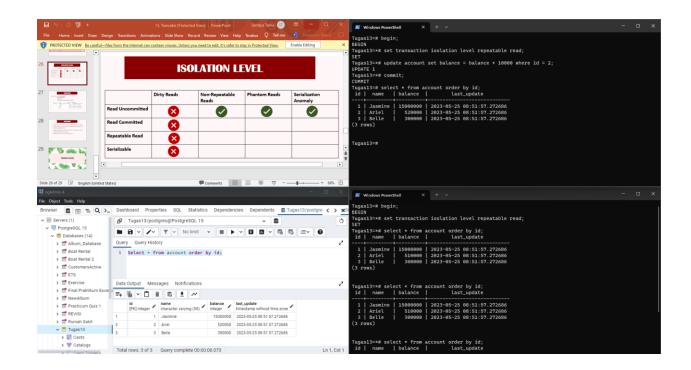
```
INSERT INTO Account (NAME, BALANCE) VALUES
('Jasmine', 1500000),
('Ariel', 500000),
('Belle', 300000)
```

Non-Repeatable Read

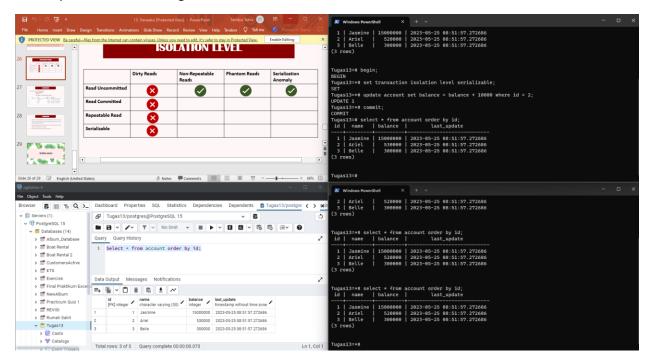
Non-Repeateable Read using Read Committed



Non-Repeatable Reads using Read Repeatable Read

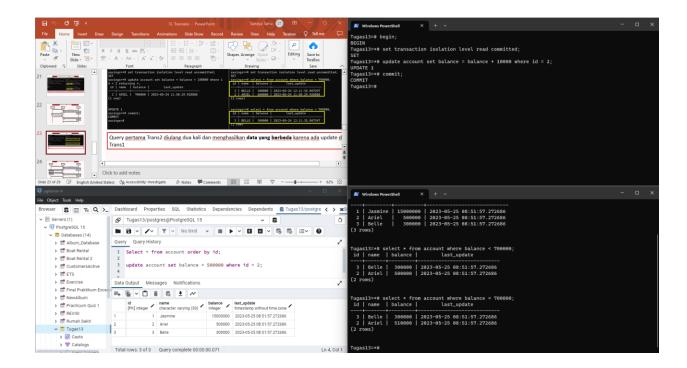


Non-Repeatable Reads using Serializable

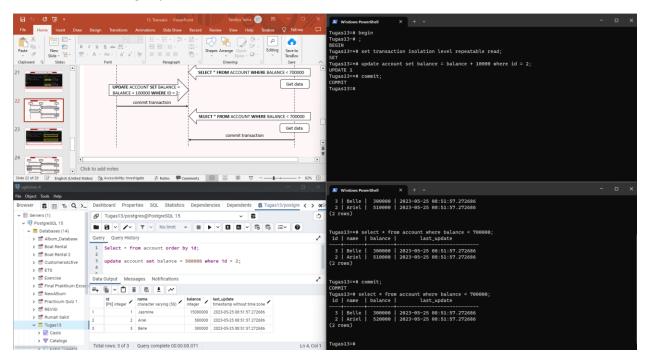


Phantom Reads

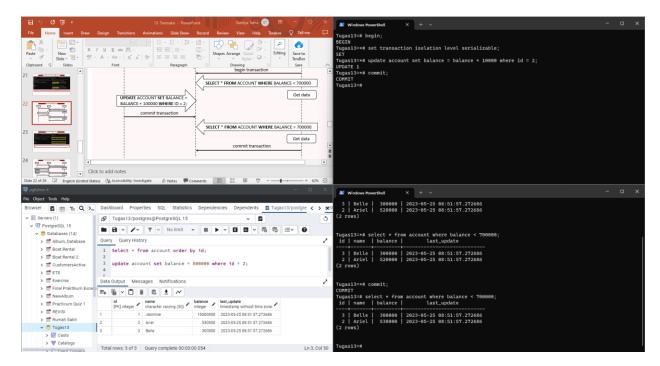
Phantom Reads using Phantom Read



Phantom Reads using Repeatable Read

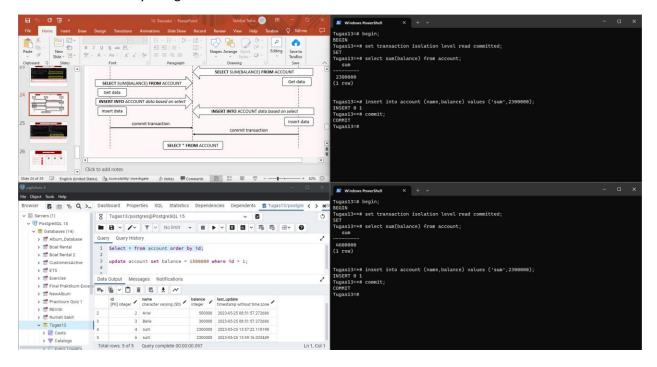


Phantom Reads using Serializable

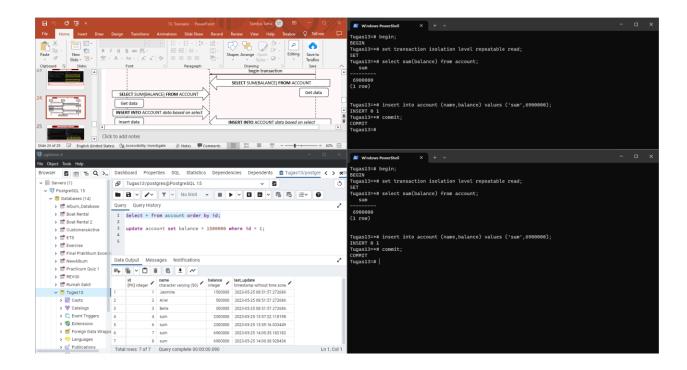


Serialization Anomaly

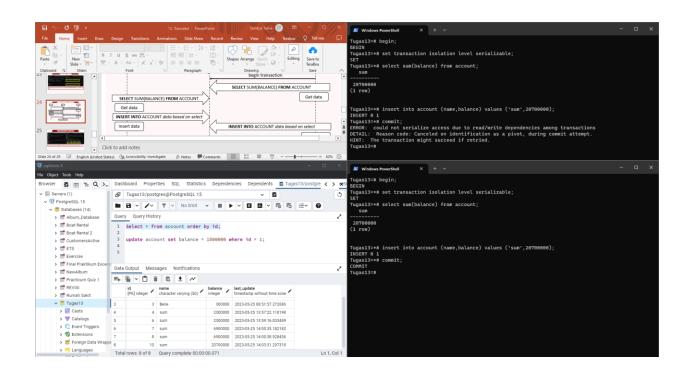
Serialization Anomaly using Read Committed



Serialization Anomaly using Repeatable Read



Serialization Anomaly using Serialization



ISOLATION LEVEL

	Dirty Reads	Non-Repeatable Reads	Phantom Reads	Serialization Anomaly
Read Uncommitted	×	Ø		
Read Committed	×	Ø	⊘	⊘
Repeatable Read	×	×	⊘	⊘
Serializable	×	×	×	×