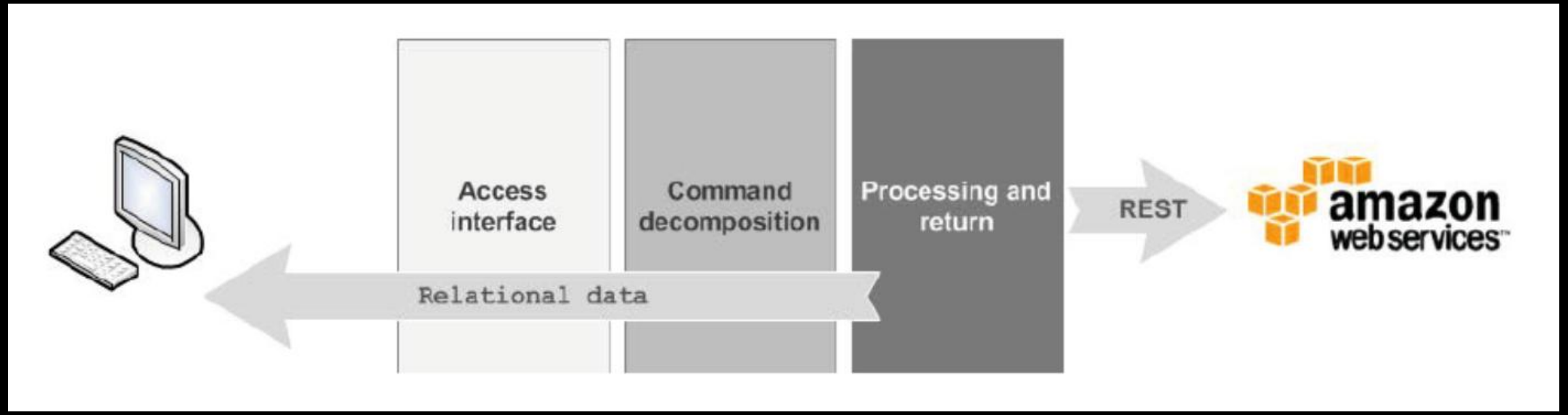
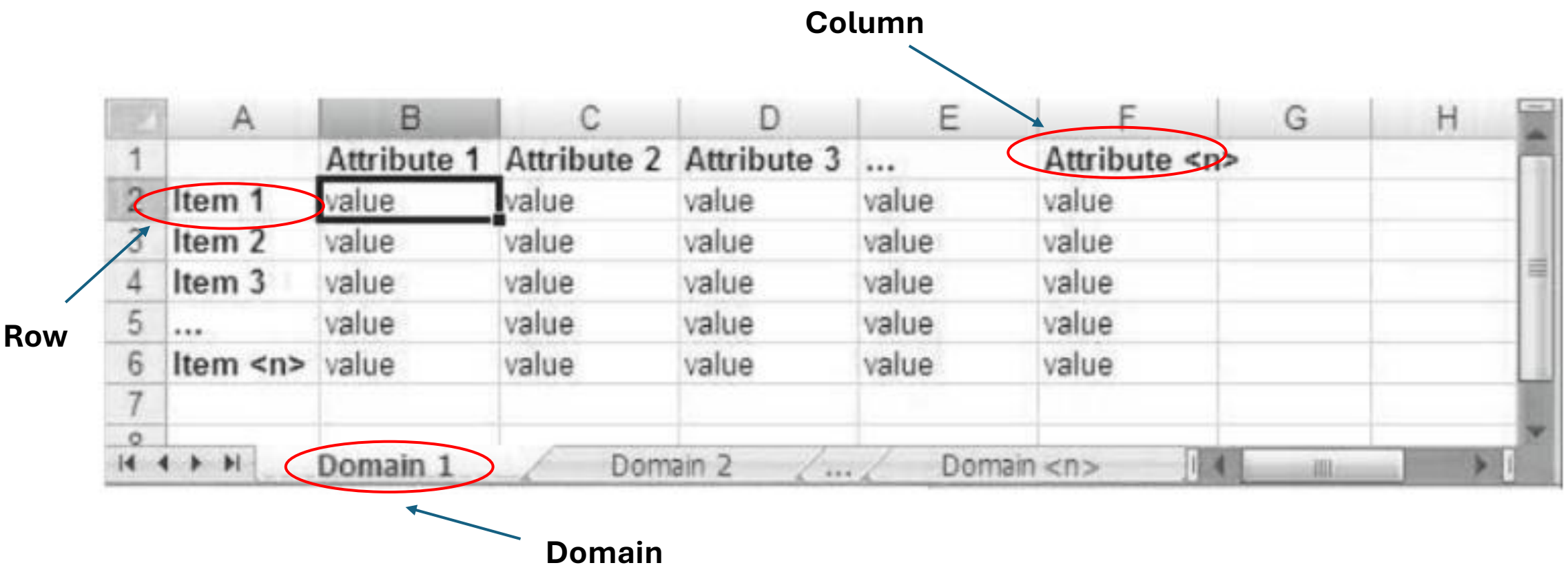
Simple DB & Dynamo DB

AWS Databases for storing data

AWS Simple DB – AWS first NoSQL database

- Simple NoSQL database
- Stored in “key: value” format.
- Fully managed – no worries about hardware, maintenance, availability.
- Pay-as-you-go pricing.





SimpleDB Data representation

-> Each **domain** (like a sheet) contains many **items** (rows).

-> Each item has **attributes** (columns), and each attribute holds **values**.

-> There's **no fixed schema** — some items might have fewer or more attributes.

Reason to “not use” Simple DB

10GB maximum per domain

Need to create multiple domains for larger datasets

Managing multiple domains means weirdest nightmare

No way to query across domains

Dynamo DB

AWS Dynamo DB – AWS successor NoSQL database

- **Amazon DynamoDB** is a **fully managed NoSQL database service** by AWS, launched in **2012** as the successor to SimpleDB.
- It offers **high availability, scalability, and low-latency performance** at any scale.
- It stores data as **key–value pairs** and supports **document-style** data (JSON).
- DynamoDB automatically handles **scaling, partitioning, and replication** across multiple servers and regions.

THANK YOU