Aspect	DBMS (Database Management	DSMS (Data Stream Management
Aspect	System)	System)
Data	Stores <b>persistent data</b> in tables or	Manages <b>real-time, transient data</b>
Storage	other structures on disk	streams without persistent storage
Data Type	Handles <b>static data</b> that doesn't	Deals with <b>dynamic, continuous data streams</b> that arrive in real time
	change unless modified by a	
	transaction	
Query	Processes queries on stored data;	Queries are <b>continuous</b> and
Processing	queries are initiated and run by	continuously applied to incoming
Flocessing	users	data streams
Query	Returns a <b>one-time result</b> after	Continuous results that are
Results	query execution	updated as new data arrives
Latency	Latency is usually less critical;	Low-latency requirements;
Requireme	supports <b>batch processing</b> and	designed for <b>real-time or near-real-</b>
nts	complex joins	time processing
Data	Low frequency; data changes	<b>High frequency</b> ; continuously
Update	infrequently unless explicitly	processes incoming data streams
Frequency	updated	processes incoming data streams
Architectur	Centralized or distributed; data	Typically a distributed system
	stored in databases and accessed	optimized for high-throughput
e	on demand	streaming data
Examples	Traditional applications like	Real-time monitoring, IoT, network
of Use	banking, inventory management,	traffic analysis, stock market
Cases	and HR systems	applications
Consisten		Often uses approximate or
cy &	ACID-compliant transactions for	Often uses approximate or eventual consistency for faster,
Transactio	consistency and integrity	real-time responses
ns		reat-time responses
Examples	MySQL, PostgreSQL, Oracle DB	Apache Kafka, Apache Flink, Apache
-		Storm, Apache Samza