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name, surname, studID

Data Warehouse Optimization – report

1. Aim of the laboratory

The aim of the task is to show issues concerning various physical cube models and aggregation design.

2. Preliminary assumptions

Size of the database (data warehouse):

Testing environment:

3. Testing

Testing query execution times for different models, with and without defined aggregations. Testing cube processing times in the same testing settings.

Brief description of the queries:

1. (one with aggregations on dates)
2. (one for a particular dimension attribute)
3. (general one)

	MOLAP		ROLAP		HOLAP	
	Aggr,	No aggr.	Aggr.	No aggr.	Aggr.	No aggr.
Delay						
Querying speed (for 3 different queries)						
Processing time						
Total size						

4. Discussion (comparison of the theory with the obtained results)