**Query tuning notes**

**Sargable Queries (Search Argumentable)**

In simple terms, Sargable queries are those which are able to use created indexes on them for faster searches and execution of a query.  
A faster search means making an effective index seek out large numbers of rows and avoiding costly index scans.

**Index Seek** – queries are able to use indexes effectively and locate rows with less effort from the query optimizer.  
**Index Scan** – scanning the entire table to locate rows to satisfy the search criteria

**What Makes a Query Non-Sargable (not able to use created indexes effectively)?**

1. using functions in Where clause conditions (because a function is evaluated against each row which forces the query optimizer not to use the index)  
2. using LIKE ‘%Proposal%’ in Wild card search queries  
3. performing arithmetic calculation on an index column in a Where clause