Performance Metrics

1. First, cache is checked for a hit in order to get the query results fast and if it is a miss the results are queried from database or main memory.
   * 1. TA = TC +(1-h)\*TM
2. We can access the database or main memory in parallel with cache.
   * 1. TA = h\*TC + (1-h)\*TM

where, TC= average cache access time

h = num of references found in the cache / total num of memory references in DB

m (miss ratio) = (1-h)

TM = average access time (main memory or DB)