1. What was the bottleneck?
   1. Indexes are needed
   2. Teaching subquery is unnecessary
   3. Course subquery utilizes a full table scan. All we need is deptId = MAT.
2. How did you identify it?
   1. Visual EXPLAIN, EXPLAIN
3. What method you chose to resolve the bottleneck.
   1. First, created indexes
   2. Second, rewrote query
      1. Removed teaching subqueries
      2. Rewrote subqueries as joins