1. What was the bottleneck?
   1. Several hash queries and subqueries, all using full table scans.
   2. Subquery in FROM clause is also causing bottleneck since it can’t be evaluated per row of the outer query
   3. Total query cost: 4112.69
2. How did you identify it?
   1. EXPLAIN, EXPLAIN ANALYZE
3. What method you chose to resolve the bottleneck.
   1. Step 1: Create index for each primary key column of each table
   2. Step 2: Create a second non-clustered index for course.deptId
      1. After adding indexes, total query cost is now 22.11
   3. Step 3: Attempted to rewrite query but it is already optimized