Scoring works like this:

* For each event a score from 1 to 1400 is assigned based on the performance.
* Original Tables can be found [here](https://worldathletics.org/about-iaaf/documents/technical-information).
* You get the maximum points where the performance is at least equal to the scored performance.
* In practice, it’s the points where perf >= Threshold and perf < nextThreshold.
* Some events skip certain points.
* There are new tables every few years, but the applicable score follows the tables of the year of the performance.

In the table I sent you:

* The event is defined by [io, gender, typeID, distance, extra, name].
* [points, minResult] is the pair from the original table.
* [minResulatValue, maxResultValue] are the thresholds for a specific score, converted to value (same as for results table).
* [startDate, endDate] is the validity period of the points.

Points “calculation” from the “scoring” table, is based on a query where:

* [io, gender, typeID, distance, extra, name] must match between “scoring” and “events” tables
  + Note: there are NULL values in some of the fields, hence the “<=>” operator.
* startDate <= Performance Date <= endDate
* minResulatValue <= resultValue (from results table) < maxResultValue
  + must be strictly less than maxResultValue
  + 0 points if resultValue < minResultValue of 1 point.
  + -2 points if event doesn’t exist in scoring table.
  + Scores > 1380 are likely data entry errors.

Query applies to “result” table as well as “records” table.

The script is divided into multiple queries for performance reasons: any improvement suggestions would be appreciated.

The script should be run after making modifications (bulk or individual) or when we have new tables (sometimes we have results before the tables are released).