EduRank Step 2

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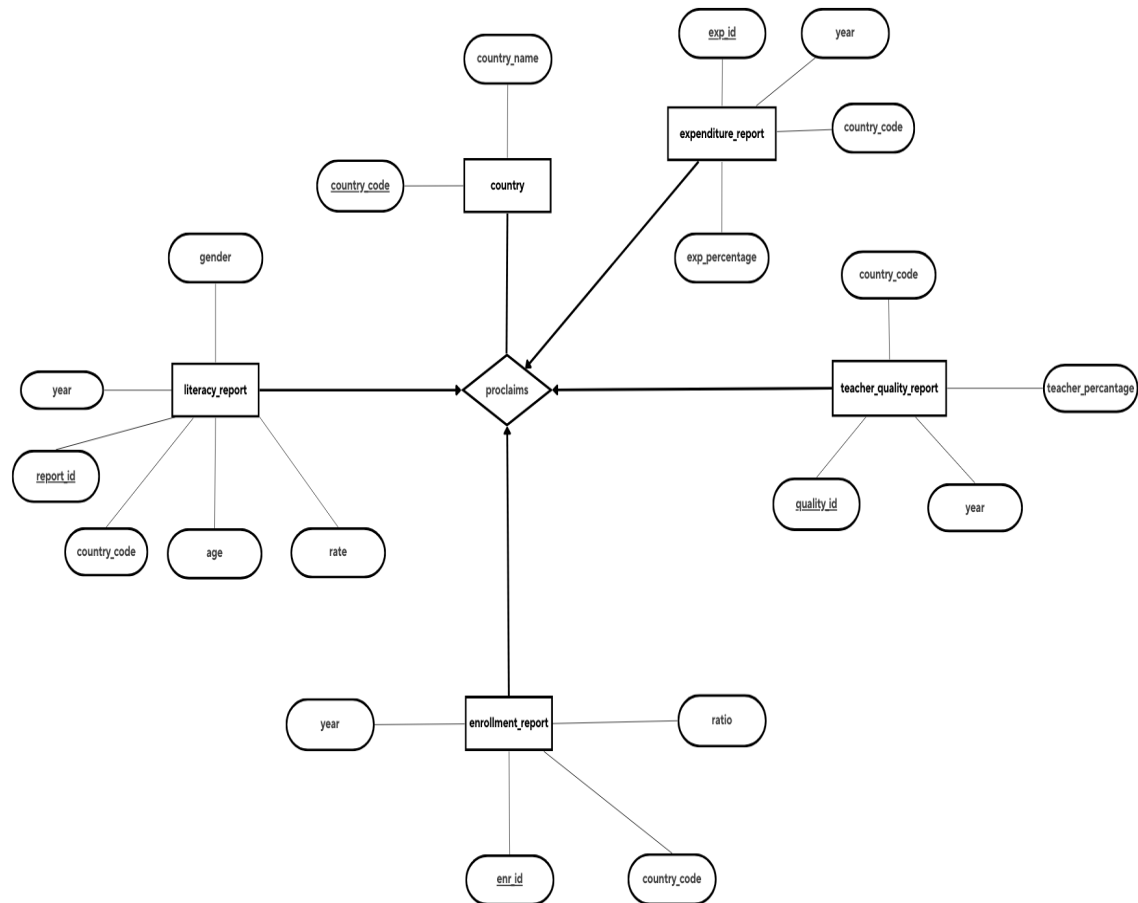
Github Repository:
https://github.com/hayrettins/EduRank

Changes made in step 2:
We modified our entity-relationship diagram by removing entities whose attributes are not represented in any of our selected dataset. We also had to remove two relations in order to maintain logical integrity of the entity-relationship diagram. Constraints that were wrong in step 1, are also corrected in this step. We merged 4 datasets as one because we did not want to create more entities that would spoil the logical integrity. We added another dataset for the geographical entity.

Here is the current version of our entity-relationship diagram

CONVERTING ER DIAGRAM TO RELATIONAL MODEL

Create Table Statements:

```
Create Table country(
        country_code CHAR(4),
        country_name VARCHAR(30),
        PRIMARY KEY(country_code))


Create Table enrollment_report(
        enr_id INT,
        year INT,
        country_code CHAR(4),
        ratio DOUBLE,
        PRIMARY KEY(enr_id))

Create Table teacher_quality_report(
        quality_id INT,
        country_code CHAR(4),
        teacher_percentage DOUBLE,
        year INT,
        PRIMARY KEY(quality_id))


Create Table expenditure_report(
        exp_id INT,
        year INT,
        exp_percentage DOUBLE,
        country_code CHAR(4),
        PRIMARY KEY(exp_id))

Create Table literacy_report(
        report_id INT,
        country_code CHAR(4),
        rate DOUBLE,
        year INT,
        gender VARCHAR(10),
        age VARCHAR(10),
        PRIMARY KEY(report_id))
```

```sql
Create Table Proclaims(
        country_code CHAR(4),
        enr_id INT,
        report_id INT,
        exp_id INT,
        quality_id INT,
        FOREIGN KEY (country_code) REFERENCES (country),
        FOREIGN KEY (enr_id) REFERENCES (enrollment_report),
        FOREIGN KEY (report_id) REFERENCES (literacy_report),
        FOREIGN KEY (exp_id) REFERENCES (expenditure_report),
        FOREIGN KEY (quality_id) REFERENCES (teacher_quality_report))
```