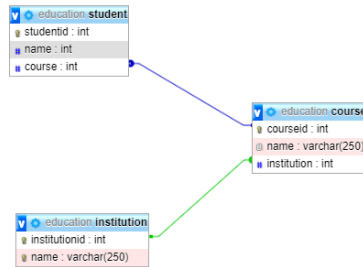


Zeraki Assessment

Database Design

a. Below is the ERD:



b. Below is the SQL Query

```
SELECT
    institution.name AS institution_name,
    course.name AS course_name,
    COUNT(student.studentid) AS number_of_students
FROM
    student
    INNER JOIN course ON course.courseid = student.course
    INNER JOIN institution ON institution.institutionid = course.institution
GROUP BY course.courseid;
```

Output

```
MySQL localhost:33060+ ssl education SQL > select institution.name as instituton_name, course.name as course_name, count(student.studentid) as all_students from stu
dent inner join course on course.courseid = student.course inner join institution on institution.institutionid = course.institution group by course.courseid;
+-----+-----+-----+
| instituton_name | course_name | all_students |
+-----+-----+-----+
| University of Nairobi | Information Technology | 4 |
| Meru University | Computer Science | 3 |
| Moi University | Political Science | 3 |
| Kenyatta University | Mechanical Engineering | 2 |
+-----+-----+-----+
```