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| **No.** | **Description** |
| **1** | Contains all users' details **including** unique emails. userID covers studentID, teacherID and indTeacherID to gather all the DB users under a table and, to let admins to manage all eaisly. **role** key identifies if one is **Admin**, **Student**, **Teacher** or either an **IndependentTeacher**. Has **no** connection with other tables. |
| **2** | Programs containing student branches (e.g. DSA, AIs). Have connections with Students table **only**. Stands as a **separate** table only for **admins** to use. |
| **3** | All Students' info together with Candidates. Candidates pointed out with a **boolean** key instead of another table to lower the DB complexity. They can easily slide into student role just by tweaking boolean keys under the same table. |
| **4** | Groups (e.g. G1, G2) table with 3 simple rows and connections from Students to Lectures tables. |
| **5** | Teachers' table with columns needed, **has** IndependentTeachers' **reference** info to track from relationship with IndependentTeachers. Has **three** relationships in total. |
| **5\*** | The **two** relationships next to the **red circled asterisk** can be hard to see. The connection with Lectures table is One and Only One **to** One (**1&1 -> 1**) and, relationship with Courses is One or Many **to** One (**1|M -> 1**). |
| **6** | Lectures table which also could be named as Sessions. Acting as one of the crutial tables by having the most relation with other tables. lectureType stands if a lecture is **regular on-campus lectures**, **online lectures**, **practical work** or either an **exam**. |
| **7** | Courses table to gather Student Groups' courses in their schedule as **RDB** or **DpBD**. |
| **8** | IndependentTeachers table has a **non-ordinary** relationship comparing others in the **DB**, which is One **to** Zero or Many (**1 -> 0|M**) to let IndependentTeachers be a **reference** for Teachers for **hiring**. |
| **9** | Presences is **slightly different** table than others and its why is being a table **under the connection** of Lectures and Attandances. It simply allows to hold all students' precense info next to the Attandances table. |
| **10** | Table to track Students' appearance in class. Including the **whole** population of a Lecture or **group/sum of groups**. |
| **11** | Exams table, identifying each one for all the Courses separately. **examType** key identifies a type as one of **quiz**, **practical** **work**, **project**, **oral** **presentation**. |
| **12** | Grades table as grades of Exams. **grade** key defined as a **real/floating** number to let teachers to evaluate for their own specific styles. |
| **13** | StudentReports table which is at the **very left** of the diagram, **under** the Credentials table, to let admins to have Students' **needed** data. **lectureID** added to be an **extra** field to make it as an easy to follow one. |
| **Other** | → **email** key has been set for **multiple** tables to be able to follow real world scenarios.  → **room** & **roomType** exists under the table of **Lectures**, rather than in a **separate** table. roomID is the **only** key without being a **primary** one, and together with **ID** extension. |
| **Personal Notes** | → I have created the documentation just right here for it to be a ground for saving a couple of clicks, and time by not comparing from two different files with bare eyes maybe. However, it can also be found as a separate .docx file within the assignment.  → I'm sure that there should be bunch of errors/non-best practices on both my diagram and SQL script. Well, I would be more than appreciated if you could find a time to point them out briefly just as a couple of words. |