DBMS LAB 01 ASSIGNMENT

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1   PROBLEM STATEMENT

You're an intern at Nilavo Technologies Ltd. As an intern, you have been tasked to make some adjustments to some of the databases at Nilavo.

The company maintains two databases named "Employees.txt" and "Project.txt". The "Employees" database has the following attributes: Employee_id, Name, blood_group, age, gender, project_id, team_leader and role in team (e.g. software dev or software qa). The "Project" database has the following attributes: Project id, Project name, employer name, estimated budget, estimated completion time, number of employees and status (e.g. ongoing, finished, on hold).

2   TASK

Your job is to write a program using a programming language like C, C++ or Java (except SQL) which will do the following:

1. Create the two databases i.e. Employees.txt and Project.txt and add some valid entries to them.

2. Take the employee ID of the employee as input and show his/her ID, name, age, blood_group, gender, project id, team leader and role in team.

3. Nilavo has decided that the projects with budget under 60,000$ need to be dropped. Your task is to write a program that searches for projects under 60,000$ and deletes that project entry from the database.

4. By default, some of the projects have the status "on hold". Your task is to write a program that changes the status of all projects that have a budget greater than 60,000$ to "ongoing".

3   DEMO OF THE DATABASES

The two databases should look something like the following:

```
employee_id name age blood_group gender project_id team_leader role

1 abc 20 B+ female 16 xyz soft_dev
```

Figure 1: Employee Database

```
project_id project_name employer_name estimated_budget($) ETA(months) no_of_employees status

1 Mars Elon 500000 50 200 ongoing
```

Figure 2: Project Database

4   DATE OF SUBMISSION

By Sunday 11:59pm in google classroom via your iut email account.