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**Student Data Base**

**Eng. Hossam Essam Diab | Learn in Depth | Project 2This is a student database project in which I used the dynamic queue data structure to implement it.**

## **System's functionality:**

* **Adding the student's data via a file.**
* **Adding the student's data manually.**
* **Find a student by his roll number.**
* **Find a student by his first name.**
* **Find all the students in a specific course.**
* **Get the total number of students.**
* **Delete a student by his roll number.**
* **Update the student data.**
* **Showing a list of all students.**

## **To be able to run the project you need to do these steps:**

1. **Download the project folder.**
2. **Use the Makefile to build the project through the command "make".**
3. **Run the project through the command "make run".**

* **Note: To add student via a text file you should add the data in the text file called "student\_data.txt" with a the order of [roll first\_name last\_name gpa course\_list] with a space between each data element.**