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GitHub Repo: <https://github.com/Ayat237/Embedded_system_online_diploma.git>

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Mastering Embedded System Online Diploma

<http://www.learn-in-depth-store.com>

Student management system

Final First Project

Abstract

Program to Build a Simple Software for Student Information Management System which can Perform the Following Statement.

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# Case Study

* Program to Build a Simple Software for Student Information Management System which can Perform the Following Statement.
* Add Student Details from File.
* Add Student Details Manually.
* Find Student by the given Roll Number.
* Find Student by the given First Name.
* Find Students Registered in a Course.
* Total Number of Students in List.
* Delete a Student from Queue List.
* Update Student Data.
* Show All Students in Our Queue.
* Exit.



# Beginning The Program

* Wait until user choose from options

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# Add Student Manually

* After choose the option to add student ,the user will enter the data ,this have many cases

### Case-1 : Adding Id which not Exist in the list

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### Case-2 : Adding Id which Exist in the list

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# Add Student From File

* Get Data from File and Add Student to Our List. While Adding the Student to the List, Check for the uniqueness of ID Number.
* File :

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### Case-1 : Adding Id which not Exist in the list

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### Case-2 : Adding Id which Exist in the list

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# Find Student Details from ID

* It Find the Student Record for the given ID Number and Print Student Details.

### Case-1 : Adding Id which Exist in the list

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### Case-2 : Adding Id which Not Exist in the list

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# Search By First Name

* It Find the Student Record for the given First Name and Print Student Details.

### Case-1 : Adding First Name which Exist in the list

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### Case-2 : Adding First Name which Not Exist in the list

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# Search By Course-ID

* It Find the Student Record for the given First Name and Print Student Details.

1. Case-1 : Adding CourseID which Exist in the list

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# Print Total Student Number

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# Update Student With ID Number

1. Case-1 : Update First Name

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1. Case-2 : Update Last Name

A screen shot of a computer program

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1. Case-3 : Update ID Number

A screen shot of a computer

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1. Case-4 : Update GPA

A screen shot of a computer

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1. Case-5: Update Courses

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1. Case-6: Update Courses

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# 10.Delete Student With ID Number

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# 11.Show All Students

1. Case-1: Before Deleting

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1. Case-2: After Deleting

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* Total Numbers After Deleting

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# 12. Exit

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