**Employee Record System Project in C**

The mini-project “Employee Record System Project in C” is a console application using the C programming language. This project compiled in Code Blocks with the GCC compiler. In this console application, you can do basic Employee Record tasks like adding the employee info, view the added employee, search the employees, ..etc.

This application based on[**file handling in C**](https://aticleworld.com/file-handling-in-c/), where I have used a file-related function like [**fopen**](https://aticleworld.com/fopen-in-c/), [**fread**](https://aticleworld.com/fread-in-c/), [**fwrite**](https://aticleworld.com/fwrite-in-c/), ..etc. Good thing is that “Employee Record System Project” is password-protected, so only authorized persons able to login to this application.

Also to increase the readability, I have broken the application in different functions. Each function of the project extensively use in the [**file handing function**](https://aticleworld.com/file-handling-in-c/), so it is also a great project to understand file handling in C.

**Note:** Don’t copy and paste the code for your project. Use the code to learn and do the project yourself.

#### List of a function used in “Employee Record System Project in C”

#### a)isFileExists():

This function verifies that a file has been created or not. If the file exists, the function return 1 otherwise returns 0.

#### b) init():

This function creates the file if not exist and copies the default password (“aticleworld”) in file header structure.

#### c) printMessageCenter():

This function prints the message in the middle of the head massage. I have passed the message in this function as per the operation

#### d) headMessage():

It prints the message on the top of the console and prints the message as per operation.

#### e) welcomeMessage():

This function displays the first welcomes screen of the “Employee Record System Project in C” and asks the user to press any key to access the library application.

#### f) isNameValid():

It validates the user name, author name ..etc. I have permitted this function to take the space in names.

#### g) isValidDate():

This function read the date in the format of dd/mm/yyyy also it validates the entered date.

#### h) menu():

This function displays the library menu and asks the user to select the option. If the user selects 0, then the application will close.

#### i) addEmployeeInDataBase():

This function opens the binary file in append mode and writes the employee and the details.

#### j) searchEmployee():

This function opens the binary file in reading mode and asks the user to enter the employee id number which wants to search.  If the student info is not available on the list, it shows the message employee not find in records.

#### K) deleteEmployee():used to delete a employee from the list.

#### l) updateCredential():

This function opens the file in rb+ mode (reading and writing). It asks the user for the new username and password. After taking the password and username it closes the application. Now user can use the application with a new password and username.