# A Project Report On

"Employee Management System"

Submitted To

# BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) PUNE

In the partial fulfillment for requirement of the degree

BACHELOR OF COMPUTER APPLICATION (BCA - II SEM - IV 2020-21)

Submitted By

Mr. Yadav. Swaraj. V Mr. Solanki. Pranav. C Mr. Pujari. Mayur. N

Under the guidance of

Dr. S. M. Patil

Through The

INSTITUTE OF MANAGEMENT AND RURAL DEVELOPMENT ADMINISTRATION, SANGLI



# Bharati Vidyapeeth Deemed University Institute of Management & Rural Development Administration, Sangli-416416

# CERTIFICATE

This is certified that a Project Report titled "Employee Management System" Submitted By Mr. Yadav. Swaraj. V, Mr. Solanki. Pranav. C, Mr. Pujari. Mayur. N. BCA Sem-IV in partial fulfillment for requirement of the degree of 'Bachelor of Computer Application' submitted to Bharati Vidyapeeth Deemed University, Punehas been completed under my guidance.

To the best of my knowledge and belief matter presented by her/him/them is original in nature and has not been copied down from any sources.

Prof. Dr. S. M. Patil (Guide)

Dr. R. S. Pujari (HoD) Prof. Dr. P. P. Jamsandekar (Director)

Examiner:

# **Declaration**

To, The Director BVDU IMRDA, Sangli

Respected Madam,

We the undersigned hereby declare that the Project report entitled, "Employee Management System" written and submitted under the guidance of Mr. Yadav. Swaraj. V, Mr. Solanki. Pranav. C, Mr. Pujari. Mayur. N is my Original Work. The Empirical findings in this report are based on information collected by us. We have not copied from any report submitted to BVDU IMRDA, Sangli.

We understand any such copying is such liable in a punishment in a way that the university authority demits this.

Place: Sangli

**Date:** 

Mr. Solanki. Pranav. C (BCA-II Sem IV) Mr. Pujari. Mayur. N (BCA-II Sem IV)

Mr. Yadav. Swaraj. V (BCA-II Sem IV) Acknowledgement

We take this opportunity to express our deep sense of obligation to the

Bharati Vidyapeeth Deemed University, Pune. The Institute of

Management and Rural Development Administration Sangli.

We express our sincere thanks to the **Director Dr. P. P. Jamsandekar** 

for giving us an opportunity to undertaking this Project work. We thank

to Dr. R. S. Pujari Head of Computer Department for his constant

support. We owe our deepest gratitude towards respective guide **Prof.** 

**Dr. S. M. Patil** and all of our faculty members for their valuable guidance

and motivation during the completion of the Project Report.

Finally, we are very much thankful to everyone who helped us a lot in

the completion of this Report to the great extent.

Place: Sangli

Date:

# Index

Sr. No.	Title	Page No.
1.	Introduction to Project	1
2.	About the Platform	2 - 6
3.	Requirement	7
4.	Code	8 - 14
5.	Output	15 - 25
6.	Conclusion	26
7.	Bibliography	27

# Introduction of C

C is a procedural programming language. It was initially developed by **Dennis Ritchie** in the year 1972. It was mainly developed as a system programming language to write an operating system. The main features of the C language include low-level memory access, a simple set of keywords, and a clean style, these features make C language suitable for system programming like an operating system or compiler development.

Many later languages have borrowed syntax/features directly or indirectly from the C language. Like syntax of Java, PHP, JavaScript, and many other languages are mainly based on the C language. C++ is nearly a superset of C language.

C is a general-purpose programming language that is extremely popular, simple, and flexible to use. It is a structured programming language that is machine-independent and extensively used to write various applications, Operating Systems like Windows, and many other complex programs like Oracle database, Git, Python interpreter, and more.

It is said that 'C' is a god's programming language. One can say, C is a base for the programming. If you know 'C,' you can easily grasp the knowledge of the other programming languages that uses the concept of 'C'

It is essential to have a background in computer memory mechanisms because it is an important aspect when dealing with the C programming language.

# Objectives In C

# 1. Operating Systems

The first operating system to be developed using a high-level programming language was UNIX, which was designed in the C programming language. Later on, Microsoft Windows and various Android applications were scripted in C.

### 2. Embedded Systems

The C programming language is considered an optimum choice when it comes to scripting applications and drivers of embedded systems, as it is closely related to machine hardware.

#### 3. GUI

GUI stands for Graphical User Interface. Adobe Photoshop, one of the most popularly used photo editors since olden times, was created with the help of C. Later on, Adobe Premiere and Illustrator were also created using C.

# 4. New Programming Platforms

Not only has C given birth to C++, a programming language including all the features of C in addition to the concept of object-oriented programming but, various other programming languages that are extensively used in today's world like MATLAB and Mathematica. It facilitates the faster computation of programs.

# 5. Google

Google file system and Google chromium browser were developed using C/C++. Not only this, the Google Open Source community has a large number of projects being handled using C/C++.

#### 6. Mozilla Firefox and Thunderbird

Since Mozilla Firefox and Thunderbird were open-source email client projects, they were written in C/C++.

# 7. MySQL

MySQL, again being an open-source project, used in Database Management Systems was written in C/C++.

### 8. Compiler Design

One of the most popular uses of the C language was the creation of compilers. Compilers for several other programming languages were designed keeping in mind the association of C with low-level languages, making it easier to be comprehensible by the machine.

Several popular compilers were designed using C such as Bloodshed Dev-C, Clang C, MINGW, and Apple C.

# 9. Gaming and Animation

Since the C programming language is relatively faster than Java or Python, as it is compiler-based, it finds several applications in the gaming sector. Some of the most simple games are coded in C such as Tic-Tac-Toe, The Dino game, The Snake game and many more. Increasing advanced versions of graphics and functions, Doom3 a first-person horror shooter game was designed by id Software for Microsoft Windows using C in 2004.

#### **Summary**

- 'C' was developed by Dennis Ritchie in 1972.
- It is a robust language.
- It is a low programming level language close to machine language
- It is a procedure and structure-oriented language.
- It has the full support of various operating systems and hardware platforms.
- Many compilers are available for executing programs written in 'C'.
- A compiler compiles the source file and generates an object file.
- A linker links all the object files together and creates one executable file.

# Advantages of C

# 1. Building block for many other programming languages

C is considered to be the most fundamental language that needs to be studied if you are beginning with any programming language. Many programming languages such as Python, C++, Java, etc. are built with the base of the C language.

### 2. Powerful and efficient language

C is a robust language as it contains many data types and operators to give you a vast platform to perform all kinds of operations.

# 3. Portable language

C is very flexible, or we can say machine independent that helps you to run your code on any machine without making any change or just a few changes in the code.

#### 4. Built-in functions

There are only 32 keywords in ANSI C, having many built-in functions. These functions are helpful when building a program in C.

### 5. Quality to extend itself

Another crucial ability of C is to extend itself. We have already studied that the C language has its own set of functions in the C library. So, it becomes easy to use these functions. We can add our own functions to the C Standard Library and make code simpler.

### 6. Structured programming language

C is structure-based. It means that the issues or complex problems are divided into smaller blocks or functions. This modular structure helps in easier and simpler testing and maintenance.

### 7. Middle-level language

C is a middle-level programming language that means it supports high-level programming as well as low-level programming. It supports the use of kernels and drivers in low-level programming and also supports system software applications in the high-level programming language.

### 8. Implementation of algorithms and data structures

The use of algorithms and data structures in C has made program computations very fast and smooth. Thus, the C language can be used in complex calculations and operations such as MATLAB.

# 9. Procedural programming language

C follows a proper procedure for its functions and subroutines. As it uses procedural programming, it becomes easier for C to identify code structure and to solve any problem in a specific series of code. In procedural programming C variables and functions are declared before use.

### 10. Dynamic memory allocation

C provides dynamic memory allocation that means you are free to allocate memory at run time. For example, if you don't know how much memory is required by objects in your program, you can still run a program in C and assign the memory at the same time.

# 11. System-programming

C follows a system-based programming system. It means the programming is done for the hardware devices.

# Limitations

- 1. Difficult to debug.
- 2. C allows a lot of freedom in writing code, and that is why you can put an empty line or white space anywhere in the program. And because there is no fixed place to start or end the line, so it isn't easy to read and understand the program.
- **3.** C compilers can only identify errors and are incapable of handling exceptions (run-time errors).
- 4. C provides no data protection.
- 5. It also doesn't feature the reusability of source code extensively.
- **6.** It does not provide strict data type checking (for example, an integer value can be passed for floating datatype).

# System Requirements

Well, hardware requirements are not much, you just need a laptop or desktop computer which has it's basic functionality. You can also use college computers if you don't have one.

But the main thing is the software requirements for the project on which you want to work.

Here are some useful softwares which help a lot in making programs from scratch.

#### 1. Editor

You need an editor for writing all the programs (source codes). And the best editor for that is Dev C. Also, Turbo C, VS Code, Notepad++ are some of the useful software and programs which can be used on Windows, Linux and Mac OS accordingly.

#### 2. Compiler

You always need a compiler in order to convert the source code into an executable program for the end user. It also spots errors and suggests corrections in the code. Generally, editors like Dev C and Turbo C have a built-in compiler. But if the source code is written notepad or any other normal text editor, it can be compiled and then executed using Command Prompt, PowerShell or Terminal depending on your system OS.

# Source-Code

```
Employee_Management_program */
#include<stdio.h>
#include<conio.h>
#include<string.h>
#includecess.h>
#include<stdlib.h>
    struct employee
          int eno.age;
          char name[20],dept[20];
          float sal,nsal,ded,awl;
    }emp[8];
int main()
    system("COLOR 70");
    printf("\langle n \rangle n \rangle");
    printf("\n\t\t\t\t\t\t\t\t\t
    |");
    printf("\n\t\t\t\t\t\t\t\t\t
    printf("\n\t\t\t\t\t\t\t\t\t\t\t========
    printf("\n\n\t\t\t\t\t Press any key to Continue ... ");
    getch();
    login();
    getch();
void login()
    int a=0,i=0;
 char uname[10],c=' ';
 char pword[10],code[10];
 char user[10]="admin";
 char pass[10]="
 do
    system("cls");
    printf("\langle n \rangle n \rangle n ");
    printf("\n\t\t\t\t\t\t\t\t\t\t\t
    |");
    printf("\n\t\t\t\t\t\t\t\t\t\t
    printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\ENTER USERNAME :- ");
    scanf("%s", &uname);
    printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t ENTER PASSWORD :- ");
    while(i<10)
```

```
pword[i]=getch();
  c=pword[i];
  if(c==13) break;
  else printf("*");
  i++;
pword[i]='\0';
//char code=pword;
i=0;
//scanf("%s",&pword);
        if(strcmp(uname, "admin")==0 && strcmp(pword, "admin0321")==0)
        system("cls");
        printf("\n\n\t ");
       printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t==
        |");
        printf("\n\t\t\t\t\t\t\t\t\t\t
                                                             |");
        printf("\n\t\t\t\t\t\t\t\t\t\t\t
                                    ROYAL GROUP LTD. INDIA
                                                                        |");
        printf("\n\t\t\t\t\t\t\t\t\t\t
        printf("\n\t\t\t\t\t\t\t\t\t
                                                        |");
        printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t======
                                                                            ======\n\n");
        printf("\n\n\t\t\t\t\t\t\t\t\t\" WELL-COME TO OUR SYSTEM ...###... YOUR LOGIN IS SUCCESSFUL");
        printf("\n\n\t\t\t\t Press any key to Continue ... ");
        getch();
        system("cls");
        struct employee emp;
        char found='n';
        long int recsize;
        int empno;
        char another,ch;
        float sum=0:
        FILE *fp, *ft;
        fp=fopen("employlog.dat","rb+");
        if(fp==NULL)
                fp=fopen("employlog.dat","wb+");
                if(fp==NULL)
                        printf ("\n cannot open file");
                        exit(0);
        recsize=sizeof(emp);
                system("COLOR 70");
                printf("\n\t\t\t");
                printf("\n\t\t\t");
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                            ROYAL GROUP LTD. INDIA
                                                                                |");
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t |
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                printf("\n\t\t\t\t");
                system("cls");
        while(1)
                printf("\n\t\t\t\");
                printf("\langle n \rangle t \rangle t ");
                printf("\n\t\t\t\t\t\t\t\t\t\t ====
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                                                                      |");
                ROYAL GROUP LTD. INDIA
                                                                                |");
```

```
printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
       printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                   |");
       printf("\n\t\t\t\t\t\t\t\t\t =======
       printf("\n\t\t\t\t\");
       printf("\n\t\t\t");
       printf("\n\t\t\t\t");
       printf("\h\t\t\t\t\t\t\t); 2. Display Records");
       printf("\hline https://d. Exit");
       printf("\n\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\==
       printf("\n\t\t\t");
       printf("\n\n\t\t\t\t\t\t Enter your Task :- ");
       fflush(stdin);
       ch=getche();
       printf("\n\t\t\t");
       system("cls");
switch(ch)
       case '1':
               fseek(fp,0,SEEK_END);
              another='Y';
               while(another=='y'|| another=='Y')
                      printf("\n\t\t\t");
                      printf("\n\t\t\t");
                      printf("\n\t\t\t\t\t\t\t\t\t\t
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                                                                  |");
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
                      ROYAL GROUP LTD. INDIA
                                                                                 |");
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                _____
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
                      printf("\n\t\t\t\t\t\t\t\t
                                        ===\langle n \rangle n'');
                      printf("\n\t\t\t\t");
                      printf("\n\t\t\");
                      printf("\n\t\t\t\t\t\t\t\Add Empolyee Record to Database ");
                      printf("\n\t\t\t");
                      printf("\n\t\t\t\t\t\t\t\t\t======");
                      printf("\n\n\t\t\t\t\t\t\t Enter Employee No :- ");
                      scanf("%d",&emp.eno);
                      printf("\n\t\t\t\t\t\t\t Enter Employee Name :- ");
                      scanf("%s",&emp.name);
                      printf("\n\t\t\t\t\t\t\t\t Enter Employee Age :- ");
                      scanf("%d",&emp.age);
                      printf("\n\t\t\t\t\t\t\t Enter Employee Department :- ");
                      scanf("%s",&emp.dept);
                      printf("\n\t\t\t\t\t\t\t Enter Net Salary :- ");
                      scanf("%f",&emp.nsal);
                      printf("\n\t\t\t\t\t\t\t Enter Allowances :- ");
                      scanf("%f",&emp.awl);
                      printf("\h\t\t\t\t\tEnter Deductions :- ");
                      scanf("%f",&emp.ded);
                      emp.sal=emp.nsal+emp.awl-emp.ded;
                      printf("\n\t\t\t\t\t\t\t\t Employee Salary :-
                                                           %6.2f",emp.sal);
                      fwrite(&emp,recsize,1,fp);
                      printf("\n\t\t\t\t\t\t\t\t\t========
                      printf("\n\n\t\t\t\t\t\t\t\t\t\Add another Record ( Y / N ) ......");
                      fflush(stdin);
```

```
another=getche();
                                      system("cls");
                              break;
                      case '2':
                              rewind(fp);
                              system("COLOR 07");
                              printf("\langle n \rangle t \rangle t ");
                              printf("\n\t\t");
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\-----");
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\-----");
                              printf("\n\t\t\t");
                              float sum=0;
      printf("\n\t\t\t\t====
                                                                                          =\n");
                              printf("\n\t\t\t\t Employee No. \t Employee Name \tEmployee Age \t Employee Department
\t\tNet salary \t Allowence \t Deductions \t Pay Salary ");
      printf("\n\n\t\t\t=======
                              while(fread(&emp,recsize,1,fp)==1)
                                      /- \n",emp.eno,emp.name,emp.age,emp.dept,emp.nsal,emp.awl,emp.ded,emp.sal);
                                      sum=emp.sal+sum;
      printf("\n\n\t\t\t======
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t
                              =======");
                              printf("\n\t\t\t\t\t\t\t
                                                                 \t
                                                                       \tTotal Pay Salary :- %6.2f /- ",sum);
                                                     tt
                              printf("\n\n\t\t\t\t\t\t\t\t\t\t
                                                     t t
                                                         t t
                              printf("\n\n\t\t\t\t\t Press any key to Continue to Menu .....");
                              getch();
                              system("cls");
                              system("COLOR 70");
                              break;
                      case '3':
                              fp=fopen("employlog.dat","rb+");
                              rewind(fp);
                              printf("\n\t\t\t\");
                              printf("\n\t\t\");
                              printf("\n\t\t\t\t\t\t\t\t\t
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t |
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t |
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t |
                                                        ROYAL GROUP LTD. INDIA
                                                                                             |");
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                                             |");
                              printf("\n\t\t\t\t\t\t\t\t\t
                                            =======\n\n");
                              printf("\n\t\t\t\t");
                              printf("\n\t\t\");
                              printf("\n\t\t\t\t\t\t\t\t\t\t\t\t Enter Employee No to Search in File :-");
                              scanf("%d",&empno);
                              system("cls");
                              do{
                                      while(empno==emp.eno)
                                              if(empno==emp.eno)
```

```
printf("\n\t\t\t");
                                                       printf("\n\t\t\t\");
                                                       printf("\n\t\t\t\t\t\t\t\t\t\t\t
                                                           ===");
                                                        ROYAL GROUP LTD. INDIA
                                                        |");
                                                        printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                       printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                                                        printf("\n\t\t\t\t\t\t\t\t\t\t\t\t
                                                             ==\langle n \rangle n'');
                                                        printf("\n\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t
                                                                                 Employee Data Found for :-
%d",emp.eno);
                                                        printf("\n\t\t\t\t\t\t\t\t\t\t
                                                          ====\n");
                                                        printf("\n\t\t\t\t\t\t\t\t
                                                                                Employee No:-
\n\t\t\t\t\t\t\t
                                               Employee Age :-
                                                                                                 %d Ys \n\t\t\t\t\t\t\t
      Employee Net Salary :-
                                       \%6.2f - \ln t t t t t t t t Employee Allowances :-
                                                                                                 \% 6.2f /- \ln t t t t t t t t t t t
      Employee Deductions:-
                                       \%6.2f /- \ln t t t t t t t t Employee Pay Salary :-
                                                                                                %6.2f/-
",emp.eno,emp.name,emp.age,emp.nsal,emp.awl,emp.ded,emp.sal);
                                                       printf("\n\t\t\t\t\t\t\t\t\t\t\t
                                                        =====\n");
                                                       printf("\n\n\t\t\t\t Press any key to continue Menu ..... ");
                                                        getch();
                                                        system("cls");
                                                        found='y';
                                                        break;
                                               else if (found ='n' && empno!=emp.eno);
                                                        printf("\n Employee No Not found in File .....");
                                                        getch();
                                                        break;
                               }while(fread(&emp,recsize,1,fp)==1);
                               break;
                               system("cls");
                       case '4':
                               rewind(fp);
                               printf("\n\t\t\t\");
                               printf("\n\t\t\t");
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\=====
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t |
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t\t |
                                                           ROYAL GROUP LTD. INDIA
                                                                                                |");
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                               printf("\n\t\t\t\t\t\t\t\t
                                                          ====\langle n \rangle n'');
                               printf("\n\t\t\t\t");
                               printf("\n\t\t\t");
                               printf("\n\t\t\");
                               printf("\n\t\t\t\t\t\t\t\t\t\t Enter Employee No. to modify record in file :-");
                               scanf("%d",&empno);
                               printf("\n\t\t\t\t\t
                                                    ======\n");
                               system("cls");
                               printf("\n\t\t\t
                               printf("\n\t\t\t");
                               printf("\n\t\t\t\t\t\t\t\t\t ==
                               printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                                                                                |");
```

```
printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\
                                                              |");
ROYAL GROUP LTD. INDIA
                                               |");
                       printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                              |");
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                          |");
                      printf("\n\t\t\t\t\t\t\t\t\t
                                      ======\n\n");
                       printf("\n\t\t\t\t");
                      printf("\n\t\t\t
                      printf("\n\t\t\t
                       printf("\n\t\t");
                       printf("\n\t\t\t\t\t\t\t\t
                       while(fread(&emp,recsize,1,fp)==1)
                             if(empno==emp.eno)
                                   printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t Enter New Employee Details ");
                                   printf("\n\t\t\t\t\t\t\t\t\t
                                   scanf("%d",&emp.eno);
                                   scanf("%s",&emp.name);
                                   scanf("%s",&emp.age);
                                   scanf("%s",&emp.dept);
                                   scanf("%f",&emp.nsal);
                                   scanf("%f",&emp.awl);
                                   scanf("%f",&emp.ded);
                                   emp.sal=emp.nsal+emp.awl-emp.ded;
                                   printf("\n\t\t\t\t\t\t\t\t\t\t\t\t Employee Pay Salary :-
                                                                      %6.2f /-",emp.sal);
                                   printf("\n\t\t\t\t\t\t\t\t\t
                                                                            ==\n'');
                                   fseek(fp,-recsize,SEEK_CUR);
                                   fwrite(&emp,recsize,1,fp);
                                   getch();
                                   system("cls");
                                   break;
                                   system("cls");
                       break;
                      system("cls");
                case '5':
                      rewind(fp);
                      printf("\n\t\t\t\");
                      printf("\n\t\t\t");
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                            ROYAL GROUP LTD. INDIA
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                                                                      |");
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\
                      printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t
                                         ====\langle n \rangle n'');
                      printf("\n\t\t\t\t");
                      printf("\n\t\t\t");
                      scanf("%d",&empno);
                      printf("\n\t\t\t\t\t\t\t\t
                       ft=fopen("temp.dat","wb+");
                       while(fread(&emp,recsize,1,fp)==1)
```

```
if(empno!=emp.eno)
                                           fwrite(&emp,recsize,1,ft);
                                  fclose(fp);
                                  fclose(ft);
                                  remove("employlog.dat");
                                  rename("temp.dat","employlog.dat");
fp=fopen("employlog.dat","rb+");
                                  printf("\n\t\t\t\t\t\t\t
                                                                      ====\n");
                                  printf("\n\t\t\t\t\t\t\t\t\t\t\t\t Press any key to exit.....");
                                  getch();
                                  system("cls");
                                  break;
                 case '6':
                          fclose(fp);
                         exit(0);
         }
}
getch();
break;
else
        system("cls");
        printf("\n\n");
        printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\=====
        printf("\n\t\t\t\t\t\t\t\t\t\t
                                                           |");
        printf("\n\t\t\t\t\t\t\t\t\t\t\t\t\t\t\
        ROYAL GROUP LTD. INDIA
                                                                            |");
        printf("\n\t\t\t\t\t\t\t\t\t
        |");
        printf("\n\t\t\t\t\t\t\t\t\t\t\t
        printf("\n\n\t ");
        printf("\n\n\t\t\t\t\t\t\t
                                     SORRY ...!!! INVALID USERNAME AND PASSWORD...!!!");
                                           Please Try Again...!!!");
        printf("\n\n\n\n\n\t\t\t\t\t\t\t\t\t
        getch();
        system("cls");
while(a <= 2);
if (a>2)
        printf("\n\n\t\t\t\t\t\t\t
                                     Sorry you have entered the wrong Username and Password for four times...!!!");
        getch();
```

# Output

# **Login Page**

# ...Login Successful

```
WELL-COME TO OUR SYSTEM ...###... YOUR LOGIN IS SUCCESSFUL

Press any key to Continue ...
```

# If login incorrect...

```
SORRY ...!!!... INVALID USERNAME AND PASSWORD...!!!

Please Try Again...!!!
```

# **Task Menu**

====	
	ROYAL GROUP LTD. INDIA
====	
	Employee Record Database
	<ol> <li>Add Record</li> <li>Display Records</li> <li>Search Records</li> <li>Modify Records</li> <li>Delete Records</li> <li>Exit</li> </ol>
Enter your Task :	

Choose any task from 1 to 6...

# 1. Add Records to Database

	- 1
ROYAL GROUP LTD. INDIA	
1	

Employee Record Database

\_\_\_\_\_

- 1. Add Record
- 2. Display Records
- 3. Search Records
- 4. Modify Records
- 5. Delete Records
- 6. Exit

\_\_\_\_\_

Enter your Task :- \_ 1

```
ROYAL GROUP LTD. INDIA
```

\_\_\_\_\_

Enter Employee No :- 112

Enter Employee Name :- Mahi

Enter Employee Age :- 29

Enter Employee Department :- Legal

Enter Net Salary :- 58000

Enter Allowances :- 6500

Enter Deductions :- 3400

Employee Salary :- 61100.00

# 2. Display All Records from Database

ROYAL GROUP LTD. INDIA

#### Employee Record Database

-----

- 1. Add Record
- 2. Display Records
- 3. Search Records
- 4. Modify Records
- 5. Delete Records
- 6. Exit

-----

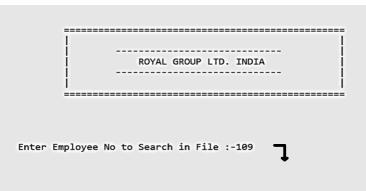
Enter your Task :- \_ 2

Avilable Employee Information in Database

Employee No.	Employee Name	Employee Age	Employee Dept.	Net salary	Allowence	Deductions	Pay Salary
101	Теј	33	HR	65000.00 /-	5300.00 /-	4500.00 /-	65800.00 /-
102	Raj	30	Acnt	62000.00 /-	6500.00 /-	4500.00 /-	64000.00 /-
103	Dev	28	Sec	65000.00 /-	4500.00 /-	3500.00 /-	66000.00 /-
104	Abhi	29	Sec	59000.00 /-	6800.00 /-	3800.00 /-	62000.00 /-
105	Bob	29	Sec	59000.00 /-	3500.00 /-	2200.00 /-	60300.00 /-
106	Sunny	27	Tech	58000.00 /-	4500.00 /-	2900.00 /-	59600.00 /-
107	Max	29	Tech	61000.00 /-	3500.00 /-	5500.00 /-	59000.00 /-
108	Ben	30	Acnt	65000.00 /-	5600.00 /-	2900.00 /-	67700.00 /-
109	Adi	29	Tech	59000.00 /-	4500.00 /-	3200.00 /-	60300.00 /-
110	Rocky	28	Tech	62000.00 /-	3500.00 /-	4200.00 /-	61300.00 /-
111	Monty	29	Tech	59000.00 /-	4500.00 /-	2500.00 /-	61000.00 /-
112	Mahi	29	Legal	58000.00 /-	6500.00 /-	3400.00 /-	61100.00 /-

Total Pay Salary :- 748100.00 /-

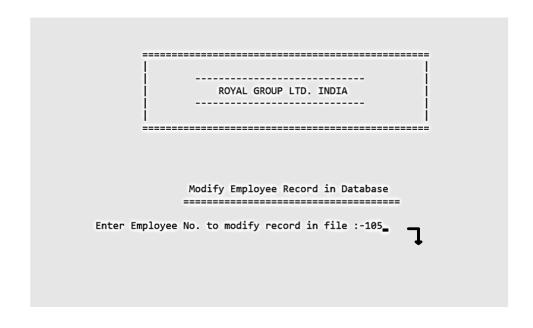
#### 3. Search Records from Database



```
ROYAL GROUP LTD. INDIA
```

# 4. Modify Records from Database

ROYAL GROUP LTD. INDIA	
l l	
Employee Record Database	
1. Add Record	
2. Display Records	
3. Search Records	
4. Modify Records 5. Delete Records	
6. Exit	
o. Late	
Enter your Task :- 💂 🚜	



#### Enter new details...

ROYAL GROUP LTD. INDIA

Modify Employee Record in Database for Employee 105

Enter New Employee Details

\_\_\_\_\_

Enter New Employee No to Modify :- 105

Enter New Employee Name :- Lucky

Enter New Employee Age :- 29

Enter New Employee Department :- Sec

Enter New Net Salary :- 58000

Enter New Allowances :- 6800

Enter New Deductions :- 4300

Employee Pay Salary :- 60500.00 /-

\_\_\_\_\_

#### Previous details...

```
Employee Data Found for :- 105

Employee No :- 105

Employee No :- Bob Employee Age :- 29 Ys Employee Age :- 59000.00 /- Employee Allowances :- 3500.00 /- Employee Allowances :- 2200.00 /- Employee Pay Salary :- 60300.00 /-
```

#### New details...

```
______
                                    ROYAL GROUP LTD. INDIA
                            _____
                                  Employee Data Found for :- 105
                              ______
                                 Employee No :-
                                 Employee Name :-
                                                       Lucky
                                                      29 Ys
                                 Employee Age :-
                                 Employee Dept. :-
                                                      Sec
                                 Employee Net Salary :-
                                                      59000.00 /-
                                 Employee Allowances :-
Employee Deductions :-
Employee Pay Salary :-
                                                     4500.00 /-
                                                      3500.00 /-
                                 Employee Pay Salary :-
                                                      60000.00 /-
                              ______
Press any key to continue Menu .....
```

# 5. Delete Records from Database

ROYAL GROUP LTD. INDIA
Faralouse Record Retabase
Employee Record Database
1. Add Record
2. Display Records
3. Search Records
4. Modify Records
5. Delete Records
6. Exit
Enter your Task : 5

	ROYAL GROUP LTD. INDIA
}	

Enter Employee No to Delete from File :-113

	=====
ROYAL GROUP LTD. INDIA	
	=====

Enter Employee No to Delete from File :-113

Employee Record Deleted.....

Press any key to exit.....

# Employee No. 113 record available ....

111	Monty	29	Tech	59000.00 /-	4500.00 /-	2500.00 /-	61000.00 /-
112	Mahi	29	Legal	58000.00 /-	6500.00 /-	3400.00 /-	61100.00 /-
113	Rod	45	Dr	68000.00 /-	4800.00 /-	6300.00 /-	66500.00 /-
					Pay Salary :- 8		

# Employee No. 113 record deleted ....

109	Adi	29	Tech	59000.00 /-	4500.00 /-	3200.00 /-	60300.00 /-
110	Rocky	28	Tech	62000.00 /-	3500.00 /-	4200.00 /-	61300.00 /-
111	Monty	29	Tech	59000.00 /-	4500.00 /-	2500.00 /-	61000.00 /-
112	Mahi	29	Legal >>	58000.00 /-	6500.00 /-	3400.00 /-	61100.00 /-

Total Pay Salary :- 748100.00 /-

# 6. Exit from Program

	ROYAL GROUP LTD. INDIA
<u> </u>	 
	Employee Record Database
	<ol> <li>Add Record</li> <li>Display Records</li> </ol>
	<ol> <li>Search Records</li> <li>Modify Records</li> </ol>
	<ul><li>5. Delete Records</li><li>6. Exit</li></ul>
Enter your Task : 6	

**Program execution exits....** 

# Conclusion

C is actually surprisingly large topics, who would have thought? If you've made it this far, though, you're more than well on your way to back-end development magic. You should be significantly more comfortable breaking down a program into its component pieces and then coding them with C. You have the tools necessary to identify an effective visual layout and then bring it to fruition.

There is still plenty of ways you can make your workflow better or improve your knowledge of best practices (so don't stop learning!), but you've got everything you need to build beautiful program.

# Bibliography

# Web-Site References :-

- 1) <a href="https://stackoverflow.com/">https://stackoverflow.com/</a>
- 2) <a href="https://geeksforgeeks.org/">https://geeksforgeeks.org/</a>

# Under the Guidance of :-

1) Prof. Dr. S. M. Patil Mam