DATE:28 Aug

EMPLOYEE MANAGEMENT SYSTEM

OOP PROJECT

- AMAN KULLUNG
- ANKIT KUMAR YADAV

DEVELOPED BY: TEAM EMPOWEROPS

Introduction:

- The Employee Management System is a console-based application designed to streamline the process of managing employee records. It allows the user to perform various operations like inserting new records, modifying existing ones, searching, displaying, and deleting records. The system ensures data persistence through file handling, making it a robust solution for small to medium-sized businesses.

Function Prototypes:

- void menu(): Displays the main menu and handles user choices.
- void waitForEnter(): Pauses the program until the user presses enter.
- void insert(): Allows the user to add new employee records.
- void display(): Displays all employee records.
- void modify(): Modifies existing employee records.
- void search(): Searches for specific employee records by ID.
- void deleted(): Deletes an employee record based on ID.

LIBRARIES USED

- **<iostream>: Handles input and output streams.**
- **<windows.h>: Provides Windows-specific functions like Sleep.**
- **<unistd.h>: Provides access to the POSIX operating system API.**
- **<conio.h>: Used for console input/output (e.g., getch()).**
- **<cstdlib>, <ctime>: Used for utility functions like random number generation and time manipulation.**
- **<cstring> : Provides functions for handling C-style strings.**
- **<cstdio> : Used for input/output operations in C.**
- **<fstream> : Provides file handling capabilities.**
- **<iomanip> : for manipulating formats of i/p & o/p.**

STRUCTURE USED

- **Class: Employee_management**
  - **Private Data Members:**
    - **char name[30]: Stores the name of the employee.**
    - **char id[5]: Stores the employee's ID.**
    - **char designation[10]: Stores the employee's designation.**
    - **int age, ctc: Stores the employee's age and Salary.**
    - **Char experience[20]: Stores the employee's experience.**

○Conclusion:

- **The Employee Management System is a practical application that efficiently manages employee data. With features like adding, modifying, searching, and deleting records, it simplifies HR processes. The use of file handling ensures that data is securely stored and can be retrieved even after the program is closed. This project demonstrates effective use of object-oriented programming and file handling in C++.**