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Abstract

A project that covers Python topics under the Embedded Linux Diploma by Eng. Mohamed Bakr

Python project

Employee Management System

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* Add an employee record
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* Checking duplicate IDs

1. Operations.py

* Display user Information
* Calculate Employee Bonus
* Calculate Employee Discount
* Legal Holiday Reminder
* Exit Function

1. Authentication.py

* Login

Problem Statement

It is software for the Employee Management System which can perform the following operations.

* Login using Employee ID and password stored in the System.
* Add Employee Record.
* Remove Employee record.
* Update Employee records.
* Checking duplicate IDs.
* Display user Information.
* Calculate Employee Bonus.
* Calculate Employee Discount.
* Legal Holiday Reminder.
* Exit Function.

Approach

The idea is to form individual functions for every operations, the data structures used is a list of dictionaries, each dictionary is an Employee record with all its information stored in a key-value manner.

Idea

It consists of 4 python files main.py, employee\_data.py, operations.py, authentication.py.

The main contains function Calling.

The employee\_data.py contains the data manipulation functions.

The operations.py contains the functions that use Employee Data.

The authentication.py contains the function used to authenticate user logging in.

Main.py