## Project Title: Salary Function

## Description: To handle Data processing, Error handling, and file handling.

### **Frame work:** 1. Import Necessary Libraries

We start by importing essential libraries needed for data manipulation, file handling, and compression.

### 2. Load the Data

The CSV file named "Total.csv" is loaded into a DataFrame for processing.

### 3. Define the Employee Function

A function named employee is defined to retrieve details of an employee based on their name. The function searches the dataset for the specified employee and returns their details if found.

### 4. Retrieve and Handle Employee Information

The details of a specific employee ('albert pardini') are retrieved, and any potential errors are handled to ensure smooth execution.

### 5. Export Employee Details as CSV

The retrieved employee details are exported to a CSV file for further use.

### 6. Create a Folder for Employee Profile

A directory named "Employee\_Profile" is created to store the employee details file.

### 7. Zip the Employee Details File

The employee details file is zipped and stored in the created folder for easy transfer and storage.

### 8. Unzip the Folder in R

The zipped folder is unzipped into the specified directory, making the file accessible for further use.

### 9. Load and Display the Data in R

The CSV file is loaded into R for further analysis and display, ensuring the data is correctly processed and ready for use.

## Error Handling

The script includes error handling mechanisms to catch and report any issues encountered during the retrieval of employee information, ensuring robustness and reliability.