Highridge Construction Company Payment Early Redistributions

## Overview

The layout of this R-Script is to help producing Salary Slips for employees working at Highridge Construction Company. This program will help to input employee details, level calculation base on salary and gender and also generate pay slip for each employees in the list.

## Features

Specify the details related to an employee (ID, name, gender and salary).

- Automatically assign employee levels based on specific salary conditions.

Function: – Produce payslips for employees individually.

-List summary of all employee records and their levels.

## Requirements

- R (version 3.5+ is recommended)

RStudio (optional, but the suggested way of doing things; makes life a lot easier)

## Installation

1. Please have R installed on your system. You can get it from [CRAN](https://cran.r-project.org/).

2. (Optionally) Install RStudio from [here](https://www.rstudio.com/products/rstudio/download/).

3. Save the following R script somewhere on your computer to a new R script file (payment\_slips. R`).

## Usage

1. Open the R script in any O/S (in R or R studio).

2. Run the script. The program will ask you to input the number of employees.

3. Field 3, 4th input name sex salary # for every employee Field\_:\*;variable;ID; Name (20);sex(10);Amount of pay

4. As long as we enter all the employee information, it will automatically determine what level a given employee is on based on the conditions implemented above.

5. It will ask you to provide employee id for the whose payslip is to be generated.

6. And at the end of program employee records will be displayed.

## Functions

`store\_employee\_details()`: Asks user to enter employee details and stores in dataframe

`assign\_employee\_levels\_with\_conditional()`: Assign employee levels based on salary, gender condition

`generate\_payslip()`: Generates a payslip for the selected employee using their ID.

display\_results(): final position of all employees along with levels assigned to them.

## Example Input

```

Enter the details of how many employees you want to insert 2

Input Employee 1 details: id name gender salary

1 John Doe male 15000

Enter details of Employee 2 in the following format - id name gender salary

2 Jane Smith female 12000

```

## Example Output

```

John Doe —> 1 -Salary $15000.00

✓ ASSIGNED Employee level 'A1' — $15000.00

Jane Smith (2) o $12000.00

均属: 职工级别'A5-F'(酬劳:$12000.00) ✓ ASSIGNED使…落定

Please enter employee id? 1

Employee ID: 1

Employee Name: John Doe

Employee Gender: male

Employee Salary: 15000

Employee Level: A1

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\*\*\*\*HIGHRIDGE CONSTRUCTION COMPANY\*\*\*\*

\*\*\*\*PAYMENT ADVICE SLIP\*\*\*\*

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```

## Error Handling

The program Includes error handling for :

- Invalid number of employees.

- Wrong Pattern for Employee details.

- Invalid salary values.

Employee ID does not exists when trying to create a payslip.

## Conclusion

Simple script to manage employee payment slips at Highridge Construction Company When required it can be extended with data persistence, reporting, and user authentication among other things.

## Author

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