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Employee Wage Computation Problem

Outcome

1. Ability to work with Bash Shell Scripts Programming Constructs
2. Ability to work with basic git flows.

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GIT Flow Expectations

- Create Repo for Shell Scripts
- Add and Commit Files
- Follow Message Hygiene
- During Commit specify Add or Refactor in the message beginning
- Create Branch
- Push to Remote Master and Branch
- Merge and Resolve Conflicts
- Ability to look into History of Files
- Comfortable with Git Commands

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Shell Programming Expectations

- Use of Shell Programming Constructs
- Use of proper names for the File Names, Variables and Constants
- Use of Proper Indentations
- Avoiding Printing to standard terminal instead use debug
- No Commented Codes
- Follow DRY Principle – Do not Repeat Yourself
- Comfortable with Debug Execution Threads
- Comfortable with Shell Commands

Rules

- Create empWageComputation.sh
- Start with Welcome message in the Main Branch
- Every Use Case (UC) in the Corresponding UC Branch
- For e.g. UC-1 Branch Name – EmployeeAttendanceUC
- Follow Programming Hygiene and DRY principle
- Testing the Program before pushing to Remote
- On Completion of every UC, do the following
  - Merge Local Branch with Local Master
  - Push to Remote Branch
  - Merge Local Master with Local Branch
  - Push Local Master to Remote Master

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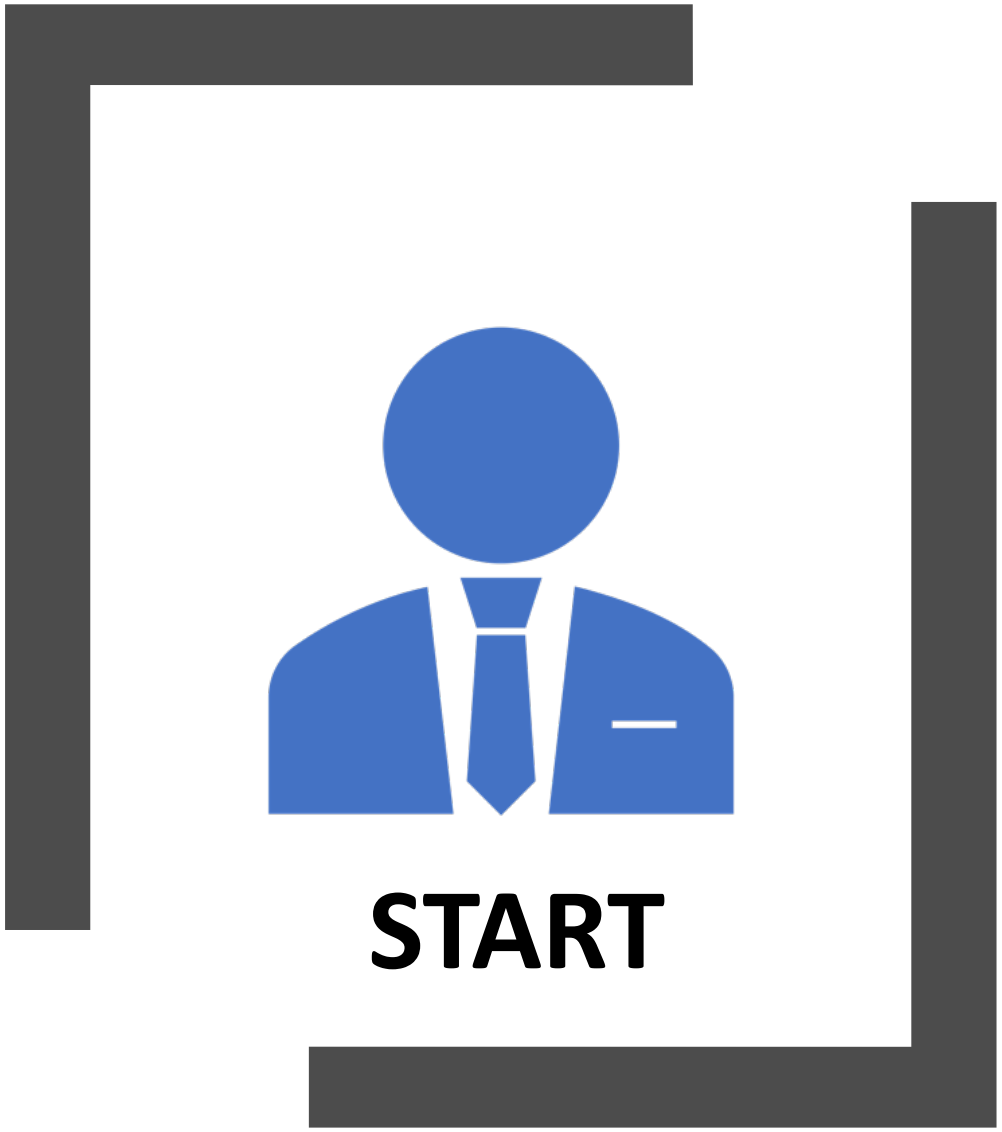

Start with Displaying Welcome to Employee Wage Computation Program on Master Branch

UC 1

Check Employee is Present or Absent

- Use ((RANDOM)) for Attendance Check

UC 2

Calculate Daily Employee Wage

- Assume Wage per Hour is 20
- Assume Full Day Hour is 8

UC 3

Add Part time Employee & Wage

- Assume Part time Hour is 8

UC 4

Solving using Switch Case Statement

UC 5

Calculating Wages for a Month

- Assume 20 Working Day per Month

UC 6

Calculate Wages till a condition of total working hours or days is reached for a month

- Assume 100 hours and 20 days

UC 7

Refactor the Code to write a function to get work hours

UC 8

Store the Daily Wage along with the Total Wage

UC 9

Store the Day and the Daily Wage along with the Total Wage

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Thank You