BridgeLabz

Employability Delivered

Employee Wage Computation

Outcome

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

BridgeLabz
Employability Delivered

GIT Flow Expectations

- Create Repo for Shell Scripts
- Add and Commit Files
- Follow Message Hygiene
- Create Branch
- Push to Remote Master and Branch
- Merge and Resolve Conflicts
- Ability to look into History of Files
- Comfortable with Git Commands

BridgeLabz
Employability Delivered

Shell Programming Expectations

- Use of Shell Programming Constructs
- Use of proper names for the 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 Feature Branch
- For e.g. UC-1 Feature Branch Name – EmployeeAttendanceFeature
- 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

BridgeLabz
Employability Delivered

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 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

BridgeLabz

Employability Delivered

Thank You