



# BridgeLabz

Employability Delivered

Employee  
Wage  
Computation  
Problem



# Outcome

1. Ability to work with Java Programming Constructs
2. Usage of Classes, Class Variables and Methods
3. Usage of Objects, Instances, Instance Variables and Methods
4. Usage of Collection Library
5. Ability to work with basic git flows.



**START**

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 Class  
Method to Compute  
Employee Wage

- Use Class Method and Class Variables



**UC 8**

## Compute Employee Wage for multiple companies

- **Note:** Each Company has its own wage, number of working days and working hours per month
- Use Class Method with function parameters instead of Class Variables



**UC 9**

## Ability to save the Total Wage for Each Company

- **Note:** You can Create EmpWageBuilder for each Company
- Use Instance Variable instead of function parameters



**UC 10**

## Ability to manage Employee Wage of multiple companies

- **Note:** Refactor to have one EmpWageBuilder to manage for Wage for multiple Company
- Create CompanyEmpWage class and let EmpWageBuilder has array of many CompanyEmpWage Object



**UC 11**

Ability to manage  
Employee Wage of  
multiple companies using  
Interface approach

- **Note:** Refactor to have one  
EmpWageBuilder to implement  
Interface



**UC 12**

Refactor to have list of multiple companies to manage Employee Wage.

- **Note:** Refactor to use ArrayList instead of array



**UC 13**

Store the Daily  
Wage along with  
the Total Wage





**UC 14**

Ability to get the  
Total Wage when  
queried by Company

- Create Method in  
EmpWageBuilder to get total  
wage by Company



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Thank  
You