



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