

Employee
Wage
Computation
Problem



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



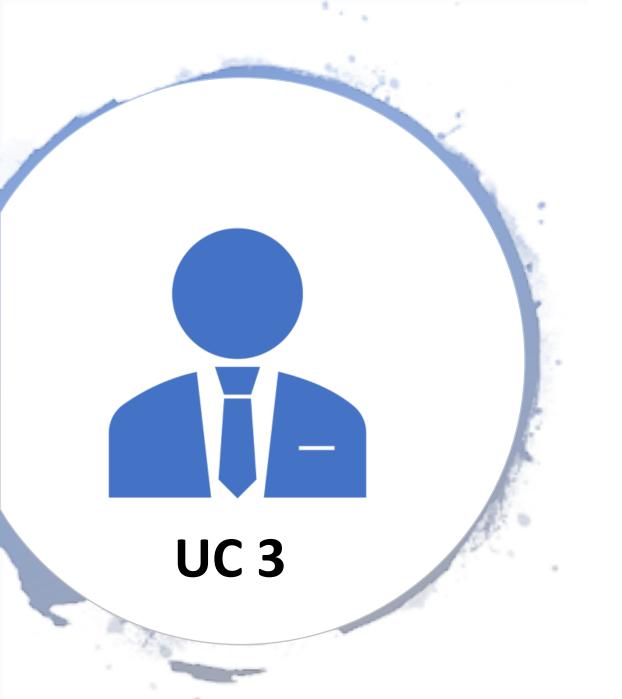
Check Employee is Present or Absent

 Use ((RANDOM)) for Attendance Check



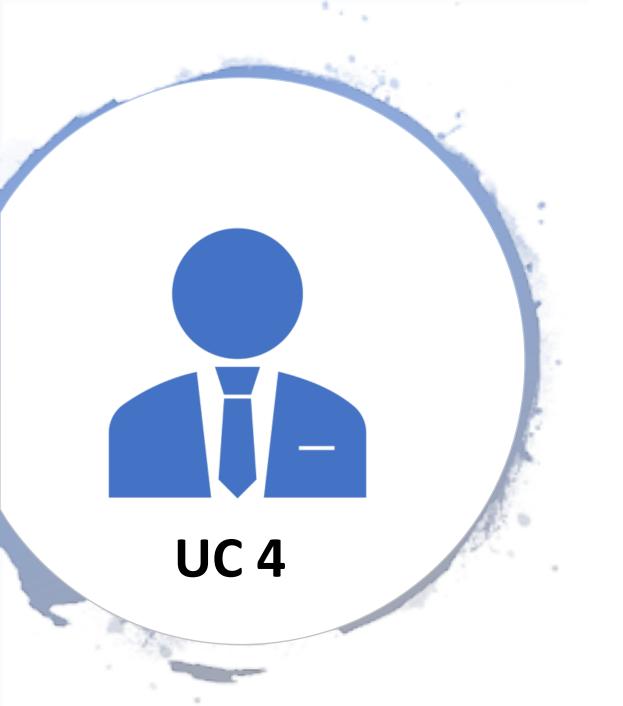
Calculate Daily Employee Wage

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



Add Part time Employee & Wage

Assume Part time Hour is 8

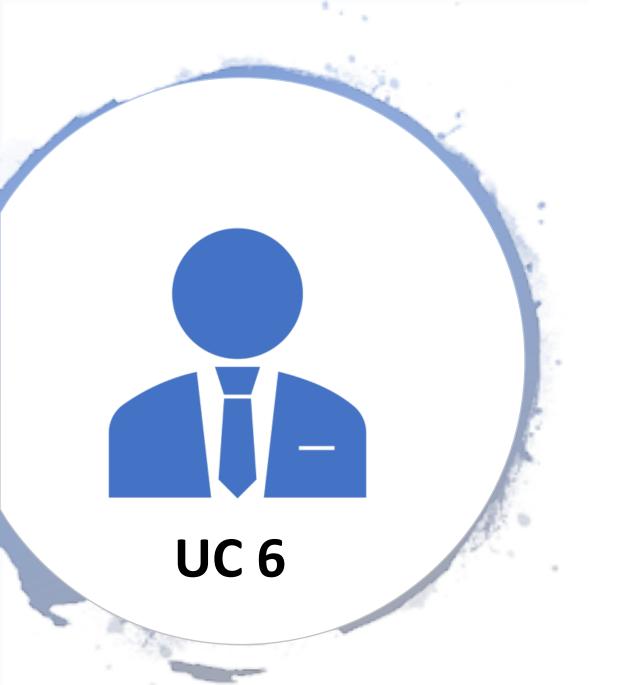


Solving using Switch Case Statement



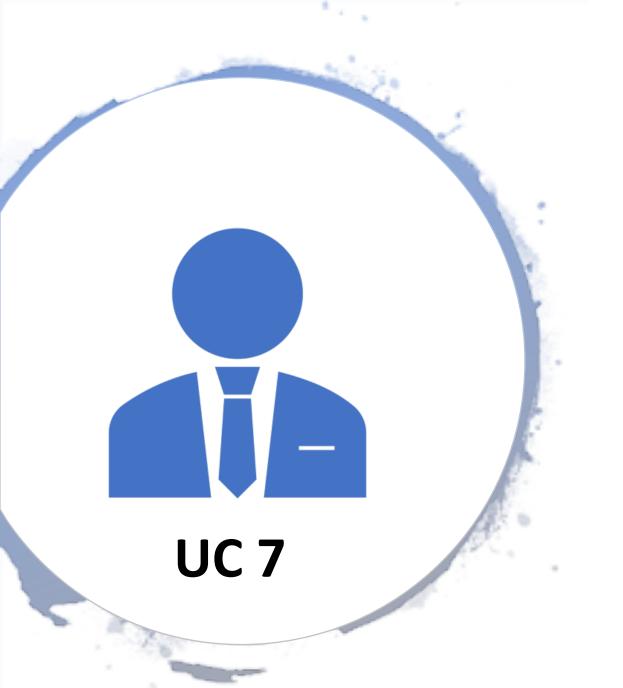
Calculating Wages for a Month

Assume 20 Working Day per Month



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

- Assume 100 hours and 20 days



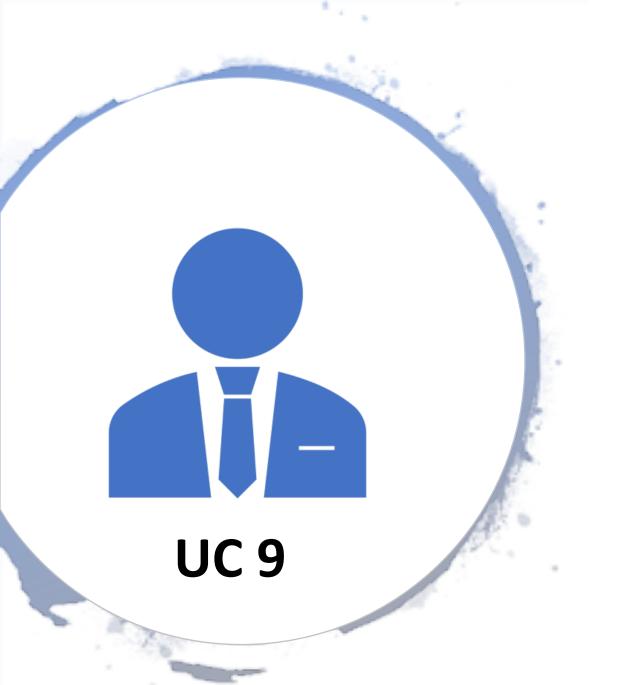
Refactor the Code to write a Class Method to Compute Employee Wage

 Use Class Method and Class Variables



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



Ability to save the Total Wage for Each Company

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



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



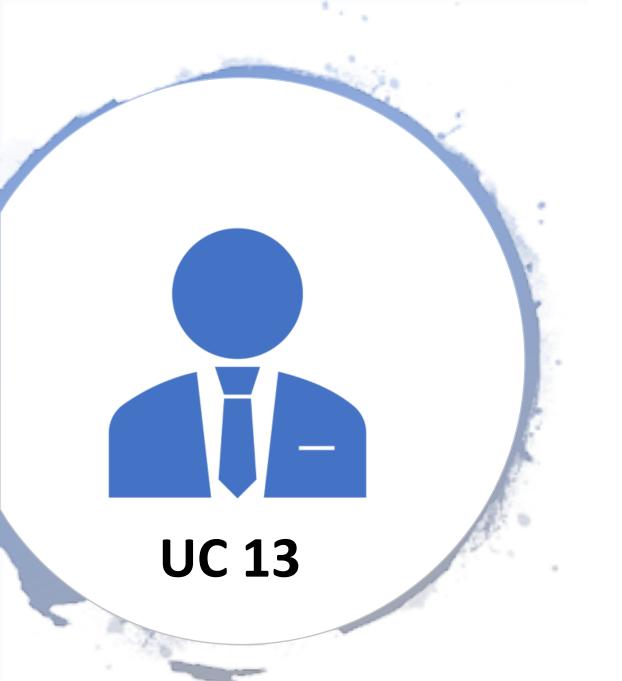
Ability to manage Employee Wage of multiple companies using Interface approach

 Note: Refactor to have one EmpWageBuilder to implement Interface

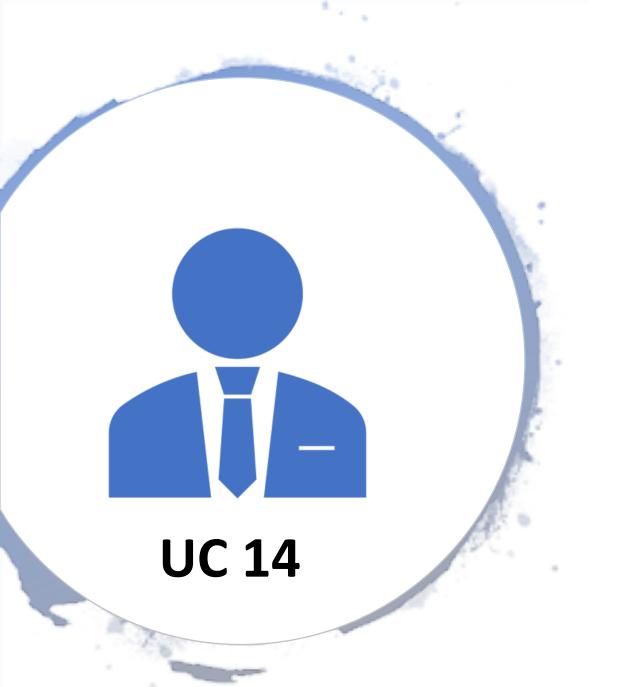


Refactor to have list of multiple companies to manage Employee Wage.

Note: Refactor to use ArrayList instead of array



Store the Daily Wage along with the Total Wage



Ability to get the Total Wage when queried by Company

 Create Method in EmpWageBuilder to get total wage by Company



Employability Delivered

Thank You