**Java Software Development Paradigm**

**Lab Assignment # 2**

**Due Date:**  - -2022  **Section: Marks:** 10

**Date**: - -2022  **Program:** BS(SE)

**Submission Deadline: Tuesday 08:00 AM, 25 OCT, 2022**

*I can take either quiz or in class viva for this assignment by calling any one on the white board to solve any question of the assignment. Copied assignment will be getting zero marks and further action will be taken as per university policy.*

1. Create a parent class “Employee”,

Add instance variable “name” to it.

Use constructor to initialize instance variable.

Add methods like getName, setName, pay (for calculating pay), toString (for printing name).

1. Create a subclass “Hourly”,

Add instance variables like “rate”, “hours”

Use constructor to initialize instance variables.

Add methods like setRate, getRate, setHours, getHours.

Override methods “pay”, “toString” in subclass.

1. Create another subclass “Salaried”,

Add instance variables like “salary”

Use constructor to initialize instance variable.

Add methods like setSalary, getSalary etc.

Override method “toString”, “pay” in subclass.

**Tasks:**

1. Create a class “Poly”
2. Add main method to it.
3. Create an object array (size 10) of parent class “employee” like

Employee[] employees = new Employee[MAX\_EMPLOYEES];

1. Create 4 Employee reference variables of type hourly and salaried objects. (Apply Polymorphism concept)
2. Print their respective salaries.

**How to submit the assignment: As per the instructions given in Class**