

## Week 6 Tutorial

### Question 1

Create the following three classes:

- Restaurant (Super Class):
  - Instance variables: name and address
  - Parameterized Constructor with name and address as parameters.
    - Assign the parameter's value in instance variable using this keyword
  - display() – prints all the values
- MyRestro (Sub Class):
  - Instance variable – offer
  - Parameterized Constructor with name, address and offer as parameters.
    - Call super constructor by passing name and address
    - Assign the value of offer in instance variable using this keyword
  - display()
    - display() call super class's super method
    - print the value of offer
- OurRestro(Sub Class)
  - Parameterized Constructor with name and address as parameters.
    - Call super constructor by passing name and address

Using BlueJ, create object of MyRestro and then call display() method. Also, create an object of OurRestro and call display() method.

## **Question 2**

Create the following two classes:

✓ Employee (Super class):

- Instance variable: name and salary
- Parameterized Constructor with name and salary as parameters.
  - Assign the parameter's value in instance variable using this keyword
- show() – prints the name and salary

✓ Programmer (Sub class):

- Instance variable – bonus and progLanguage
- Parameterized constructor with name, salary, bonus and progLanguage as parameters
  - Using super keyword call parent constructor by passing name and salary in parameter
  - Assign the bonus and progLanguage values in instance variable using this keyword
- show ()
  - Using super keyword call parent's show () method
  - Print the bonus and progLanguage

Using BlueJ, create an object of Programmer and then call show() method.