

## Java and Microservices

1. Create Class named Employee program with class variables as companyName, instance variables with employeeName, employeeID , employeeSalary.
2. Use Data Encapsulation and use getters and setters for updating the employeeSalary
3. Show function overloading to calculate salary of employee with bonus and salary of employee with deduction.
4. What are the Microservices – that use this Gateway and Service Discovery methods using below screen shot:

```
spring.application.name=gateway-service
server.port=8086
eureka.client.service-url.defaultZone=http://localhost:8761/eureka/

spring.cloud.gateway.routes[0].id=user-service
spring.cloud.gateway.routes[0].uri=lb://USER-SERVICE
spring.cloud.gateway.routes[0].predicates[0]=Path=/users/**

spring.cloud.gateway.routes[1].id=order-service
spring.cloud.gateway.routes[1].uri=lb://ORDER-SERVICE
spring.cloud.gateway.routes[1].predicates[0]=Path=/orders/**

spring.cloud.discovery.enabled=true
```

```
spring.application.name=service-registry
server.port=8761
eureka.client.register-with-eureka=false
eureka.client.fetch-registry=false
eureka.instance.hostname=localhost
```

Answer

