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Spring Boot 9AM

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1. Microservice Application is implemented using multiple components
 2. MS# app is coded using Spring ReST (@RestController)
with operation like GET, POST, PUT, DELETE...etc
 3. Once MS# code is completed it must be published with R&D Server
Here we use 'Spring Cloud Netflix Eureka'.
 4. *** Eureka will not make HTTP call to any MS#.
Eureka will store data of MS# and share one MS# data with
other MS#.

Data Stored inside Eureka is called as ServiceInstances
ServiceInstance = serviceId + InstanceId + HOST +PORT +LF

serviceId = spring.application.name = project-name
InstanceId = a random number given to instance
HOST = System IP/name
PORT = Service PORT number
LF = Current Load/Max Load

-----Eureka Server Register-----				
ServiceId	InstanceId	Host	Port	Load Factor

SEARCH-APP	SA-5210256	192.168.0.10	9696	0/200
SEARCH-APP	SA-0056250	192.168.2.32	8080	0/200
CART-APP	CA-8840856	202.6.11.109	8550	0/200
CART-APP	CA-8840800	208.16.50.12	9669	0/200

5. One MS#(Module) wants to communicate with another MS#(Module)
Such process is called 'Internal/Intra Communication'
to exchange data.
6. ToDo intra communication at Consumer application side
we should write code using one client component
 - a. DiscoveryClient + RestTemplate
 - b. LoadBalancerClient + RestTemplate
 - c.** FeignClient (interface/abstract client)

--Normal webservices---

MS#1-----MS#2
Consumer Producer
RestTemplate RestController

*) Above clients goto Eureka to get ServiceInstance(IP/PORT...)
of Less Load Factor and make HTTP call using RestTemplate.