Experiment -9



	Aim: Create Microservice based application	using
	Spring Boot.	
4	Generate JAR file on start-spring.io	
100		and the second s
	Project: Maven Project	
	language: Java	
	Spring Boot: 2.1.8.	
	Project Meta data	
	Group: io. microservice	
	Artifact: movie-catalog-service	
	Packaging: JAR	
The State of the S	Java : 11	
	Dependencies -> Add Spring Web	
	Generate - Cto1+1	
	Il Same procedure for movie-info-service movie-rating-service.	and
	movie - rating-service.	
	U	
To the second		

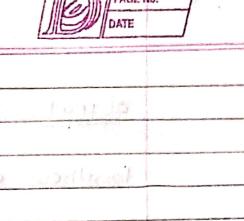


272 C C C C C C C C C C C C C C C C C C
(*) movie-info-service
* Movie-java
Tropied I strope Stope todayor
public class Movie
La menantana Elargon de
private String movield;
private String movie hame;
public string getmoview()
2 return movieid; s
public void setmovieid (string movield)
of this movie id = movie id; }
9 10003 : 41.0110
public void set movietyme (string movienane)
q tuis. moviename = moviename; y
4 thus. morreinance - morreinance
public String get-Moviename()
1 setura moviename; je
public Movie (String movieid, String moviename)
a d
this movieid = movieid;
this. moviena me = moviename;
Y





* MovieResources.java
@ Rest Controller
@ Request Mapping (" (movies")
public class movie Resources
d
@ Request Mapping ("/Lmovie & y")
public Movie getMovies (@ Path Variable ("movieid")
String movieid)
el .
Movie m = new Movie (most 1", "Super30")
return m)
у
7
* MovieInfoServiceApplication.java
O - n Dalla IV II n
@spring800 + Application
public class MovieInfoServiceApplication
public static void malm(stroing [] args)
d
Spring Application. run (Movie InfoService Application class and)
7 7 7 7
y
* application. properties
sorver. port = 9092



(#) A movie-vating-service

* Rating. java

public class Rating

private String movieid; private int rating;

public Pating (String movieid, int rating).

this movied = movieid; tus-rating = rating;

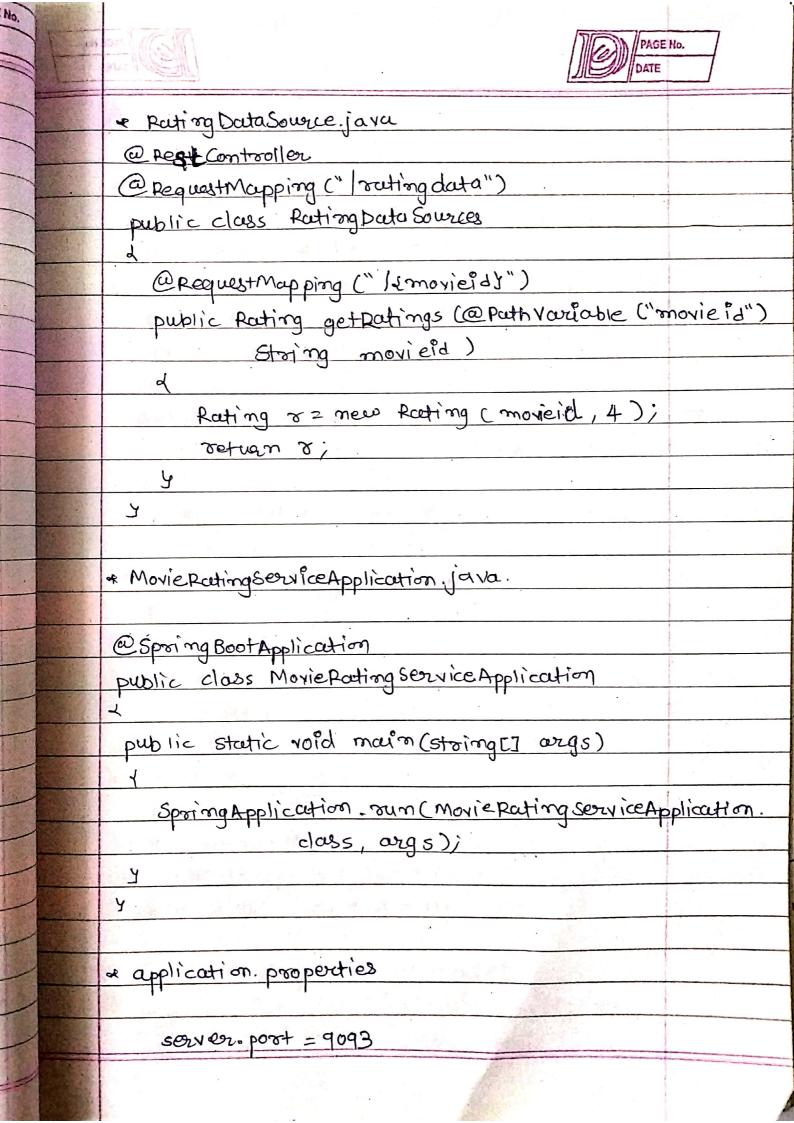
public String getMovieid ()

d return movied; y

public void setMovield (string movield) tuis. movieid = movieid; y

public int getRating() return rating; y

public void setRating Cimt rating) this sating = rating; 4





() () () () () () () () () ()	JI DAIE
	(#) movie-catalog-service
	* CatalogItem. java
	public class CatalogItem
	String name;
	string desc;
	int rating;
	public Catalog Item (String name, String desc,
	int rating)
	tuis name = name;
	tuis.desc = desc;
	the's rating = rating;
	y
	1 getter & setter method for name, desc &
	oating.
	* Movie Catalog, java
	@ Rest Controller
	@ Request Mapping ("/catalog")
	public class Movie Catalog
	1
100 m	@ Request mapping ("/ { user (dy")
	public List & Catalog I tem> get Movies C
	@ Pathrant able ("userid") Storing userid)



RestTemplate rt = new RestTemplate(); Rest Template rts = new pestTemplate(); A friet x L note her & 1838 walls of movie m = st-getForobject ("http://localhost: 9092/movies/1", Movie.class); Rating or= ot. getForobject ("http://localhost: 9093/ratingdata/"+m-getMovieid), Reting. class); CatalogItem at = neco CatalogItem (m.get Movienamel)) "Education", or getPating ()); return collections. singletonlist (ct); Movie-jara Rating java as previously created ... * application. properties server. port = 9091



DIAG (CENT)	DATE	
* Movie Catalog Service Application. java	2	
@spring Boot Application public class Movie Catalog Service App	lication	
public static void main (String[J ovegs)	
Spring Application . sun (Movie (au class, ougs);	talogservice	Application.
<u>'</u>		

)



OUTPUT

localhost: 9092/movies/chintan

L'imoviell' - "I" , "moviename": "Super30" !

OUTPUT

localhost: 9093 / ratingdata 12

E"movieid": "1", "rating": 43

OUTPUT

localhost: 9091 / catalog / chintan

[i"name": "super30", "desc": "Education",
"rating": 4 3]