                    Date : 03/12/2020
                Spring Boot and Microservices
                      Demo - Session-1
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 Core Java | Adv Java
 Spring Core | Hibernate

 Spring Boot and Microservices
 Duration 3 months
 1hr 30 Min
 3 Demo Sessions
 No Recoded Given to any student
 PDFs
 9:05 AM IST -- 10:40 AM IST
 Fresher-- 5+ years.
 Mini Projects --> Web, Webservices, Microservices

 Spring Boot + Angular/React

                            Spring Boot

*) Autoconfiguration:-
  Reducing common work(setup) by developer to create/write application
ie called
  as AutoConfiguration.

*) starters : It is a JAR that contains all setup code give by spring
boot.
ex:
spring-boot-starter-data-jdbc
spring-boot-starter-data-jpa (ORM/Hibernate)
spring-boot-starter-web   (WEB MVC)
spring-boot-starter-webflux   (Reactive..)
..etc

Spring f/w:- (Database Connection)

JARS: Spring Context, Spring JDBC, ojdbc jars...etc

XML :-
```
<bean id="dbCon" class="DriverManagerDataSource">
  <property name="driverClassName"  value="OracleDriver" />
  <property name="url"  value="jdbc:oracle:..." />
  <property name="username"  value="nareshit" />
  <property name="password"  value="raghu" />
</bean>
```

```
Java :-
@Configuration
public class AppConfig {

  //1 object -- 1 method
  @Bean
  public DriverManagerDataSource dsConn(){
     DriverManagerDataSource ds = new DriverManagerDataSource();
     ds.setDriverClassName("OracleDriver");
     ds.setUrl("jdbc:oracle...");
     ds.setUsername("nareshit");
     ds.setPassword("raghu");
     return ds;
  }
}
```

Spring Boot :- (Database Connection)

#1. Create Project (link with Parent project).
#2. Add one starter:
    spring-boot-starter-data-jdbc
    ojdbc jars

#3. Input file : application.properties (key-val)
 ----
 driver-class-name=oracledriver
 url=jdbc:oracle
 username=nareshit
 password=raghu
 ----

*) Spring Boot is a Spring based f/w that reduces common setup done by programmer
    in applications.