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Spring Boot 7AM

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**Spring Boot Email**

**(spring-boot-starter-mail)**

=> 'Java Mail Sender API' is given by Sun Microsystems/Oracle.

=> It supports sending emails using Java Applications with SMTP protocol.

SMTP - Simple Mail Transfer Protocol.

=> Spring f/w (Spring Boot) has simplified JavaMail API using POJI-POJO

JavaMailSender(I)

JavaMailSenderImpl(C)

POJI Plain Old Java Interface

POJO Plain Old Java impl class Object

(ex: IEmployeeService es = new EmployeeServiceImpl());

--Steps to send Email as a User(Human)--

1. Goto Mail Service Provider (host/port) ex: http://gmail.com

2. Login with Host (username/password)

3. Click on Compose to create new Message (MimeMessage)

4. Fill details in Message (to,subject,text,cc,bcc,attachments..)

5. Finally Send Operations

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=> MIME - Multipurpose Internet Mail Extension -

in simple any type of data sending over network.

Q) What is IP and HOST?

IP = 192.168.25.21 (number given to System in n/w)

HOST = my-pc.nit (name given to system)

Q) How many types of Configuration in Spring?

A) 3 Types. XML Configuration/Java Configuration/Annotation Configuration

> Annotation Configuration: Choose for our classes

@Component @Value @Autowired

> Java Configuration: Choose for pre-defined class.

@Configuration @Bean

Ex Java Configuration

@Configuration

public class AppConfig {

@Bean

public JavaMailSenderImpl javaMailSenderImpl() {

JavaMailSenderImpl ms = new JavaMailSenderImpl();

ms.setHost(\_\_\_\_\_\_);

ms.setPort(\_\_\_\_\_\_);

ms.setUsername(\_\_\_\_\_\_\_\_);

ms.setPassword(\_\_\_\_\_\_\_\_);

ms.setJavaMailProperties(\_\_\_\_);

returns ms;

}

}

Q) What is starter? Why it is used?

A) A starter is a ready made code+setup that reduces programmer work to implement any application.

In Simple : common classes, code, configuration, jars,setup...ect

Examples: spring-boot-starter-mail, spring-boot-starter-data-jpa, spring-boot-starter-web ..etc

\*) spring-boot-starter-mail has provided

a) Configuration code for JavaMailSenderImpl

b) Jars Required for Email Coding

c) Setup for loading properties

Q) How can we see all pre-defined keys in Spring boot?

A) Goto link :

<https://docs.spring.io/spring-boot/docs/current/reference/html/appendix-application->

properties.html