LAB- Using JmsTemplate

In this lab you will be understanding how to send and receive messages using JMSTemplate

In this lab, you will be working on **02-jms-withspring-start** project .

Step 1 – Sending and receiving Messages using JMS template

1) Open pom.xml and observe that all the dependencies are inherited from the parent project.

2) In this lab we will be using ActiveMq as JMS Broker.

   Extract the ActiveMq zip file given to you. Go to bin/win64 and double click on activemq.bat . This should start activemq

   Now open browser and go to http://localhost:8161.

   Click on Manage ActiveMq broker link. The default username/password is admin/admin

   Click on Queue link and observe that there are no queues till now.

3) Open jndi.properties in src/main/resources and observe how we have configured connection parameters

4) Open Jms.xml and complete TODO-1 to TODO-4

5) Open SendingUsingMessageConverter.java and complete TODO-5 and TODO-6

6) Now we want the JMS template itself to look up jndi, get the queue object and send the message to that queue. So, Configure JndiDestination resolver bean in Jms.xml as shown below :

```
<bean id="jndiDestinationResolver"
      class="org.springframework.jms.support.destination.JndiDestinationResolver">
      <property name="jndiEnvironment" ref="jndienv" />
</bean>
```

7) Inject this destination resolver into JMS Template.
8) Now complete TODO-7 in SendingUsingMessageConverter..java
9) Open Receiver.java and complete the TODO-8

Step 2 – Receiving Messages using JMS template

In this step, we want to receive messages using JMS Message Listener Container provided by spring

1) Open MyMessageListener.java and observe that it is implementing javax.jms.MessageListener interface.   .When ever message Comes to MyQueue, we want to execute   onMessage method of MyMessageListener.

2) Open jmsreceiverusinglistener.xml and complete TODO-1 and TODO-2

Congratulations !! You know   how to use JMS template to send and receive messages