

LAB ASSIGNMENTS 3: SQS and SNS

What is AWS SQS?

Amazon Simple Queue Service (Amazon SQS) offers a secure, durable, and available hosted queue that lets you integrate and decouple distributed software systems and components.

Amazon SQS offers common constructs such as dead-letter queues and cost allocation tags. It provides a generic web services API that you can access using any programming language that the AWS SDK supports.

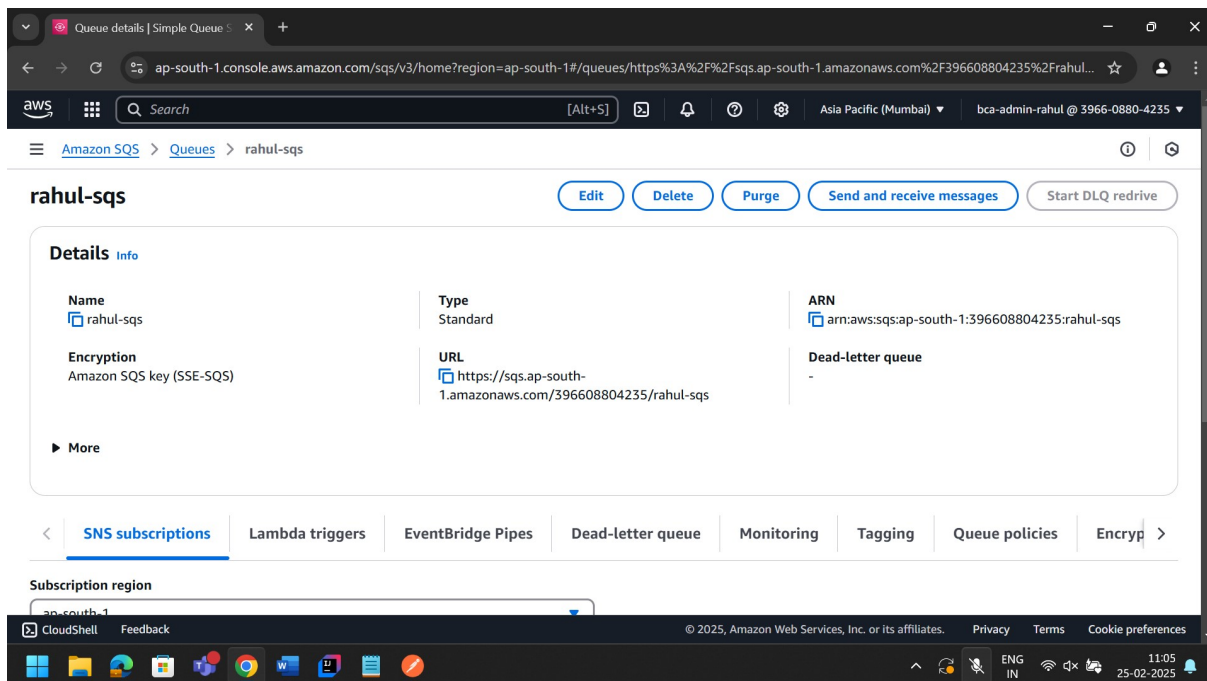
Instruction:

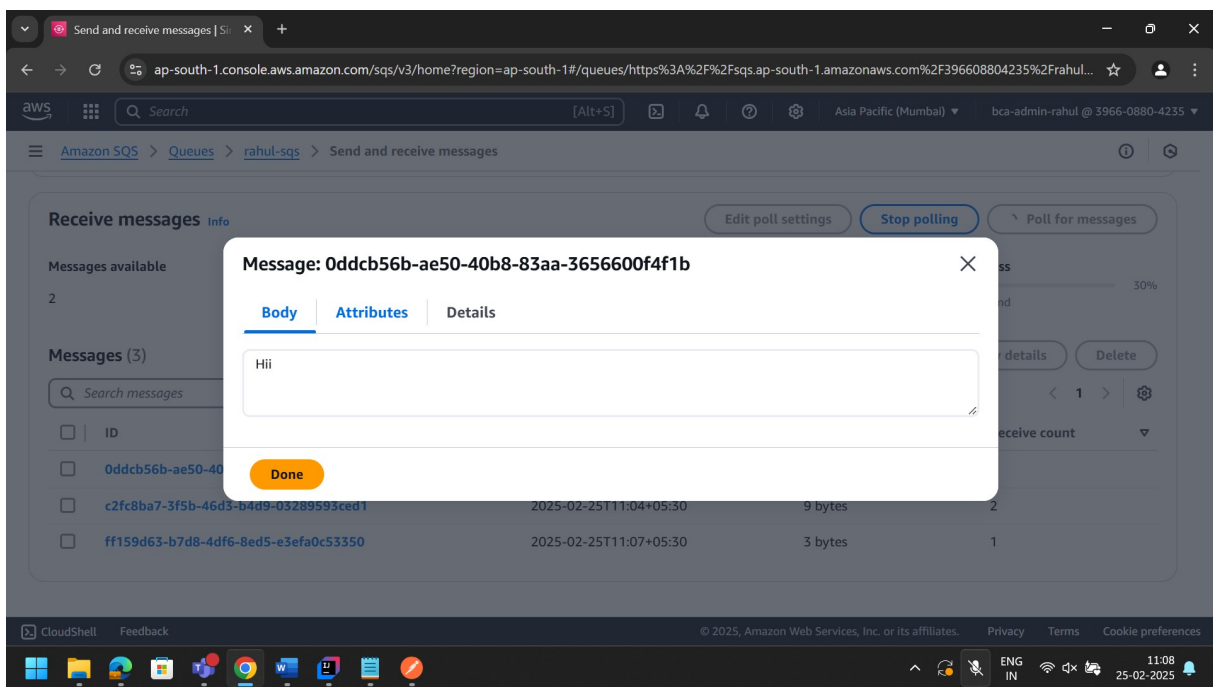
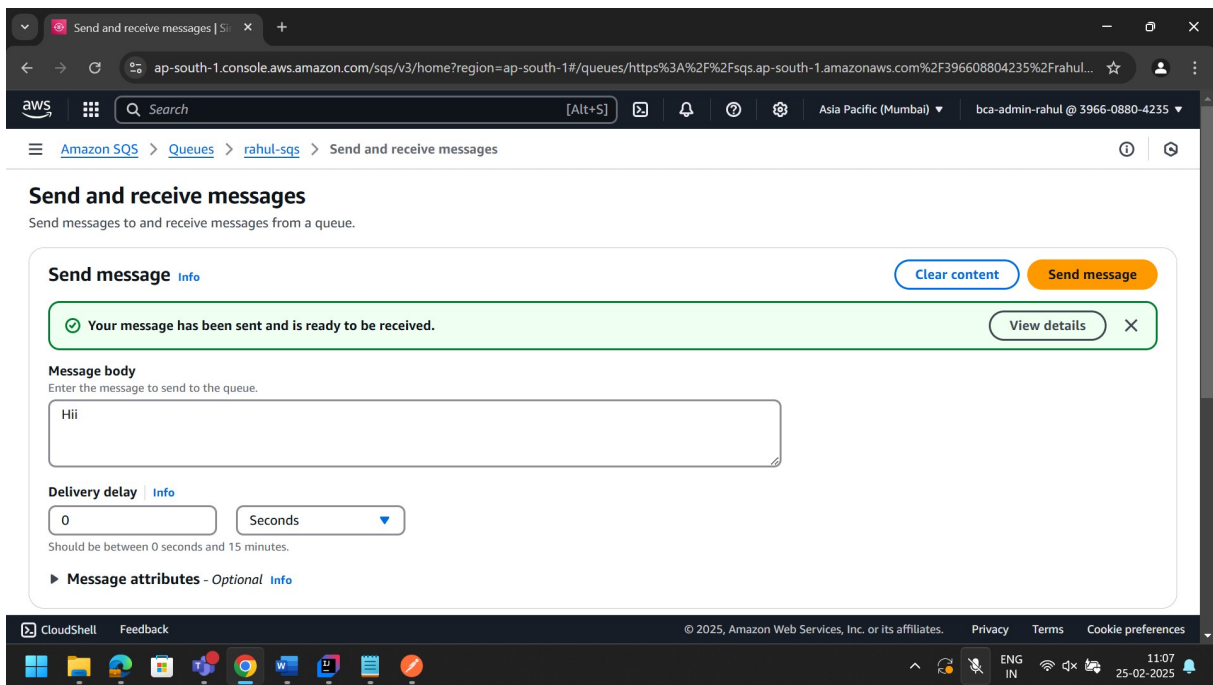
1: Creating SQS and creating messaging and consuming from UI

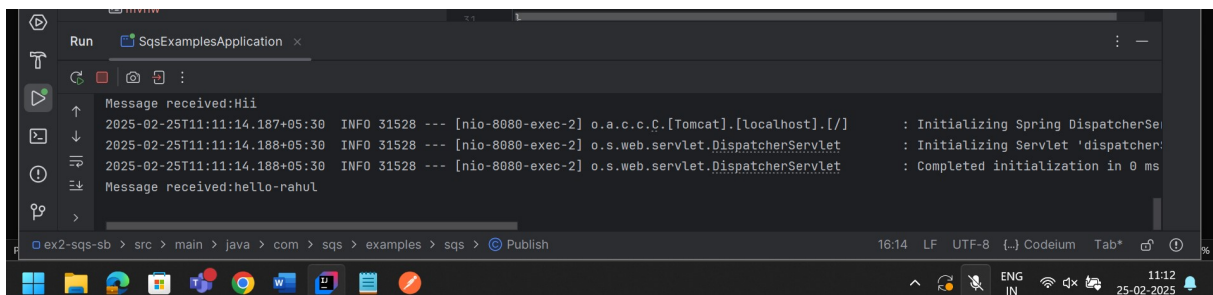
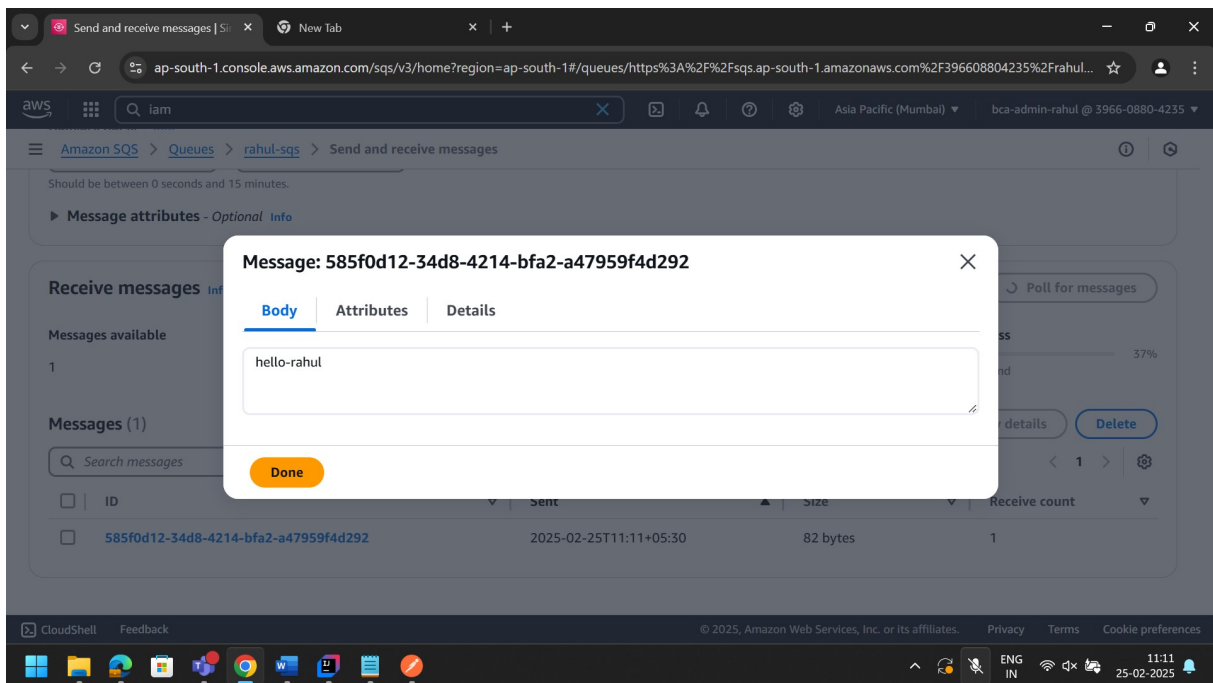
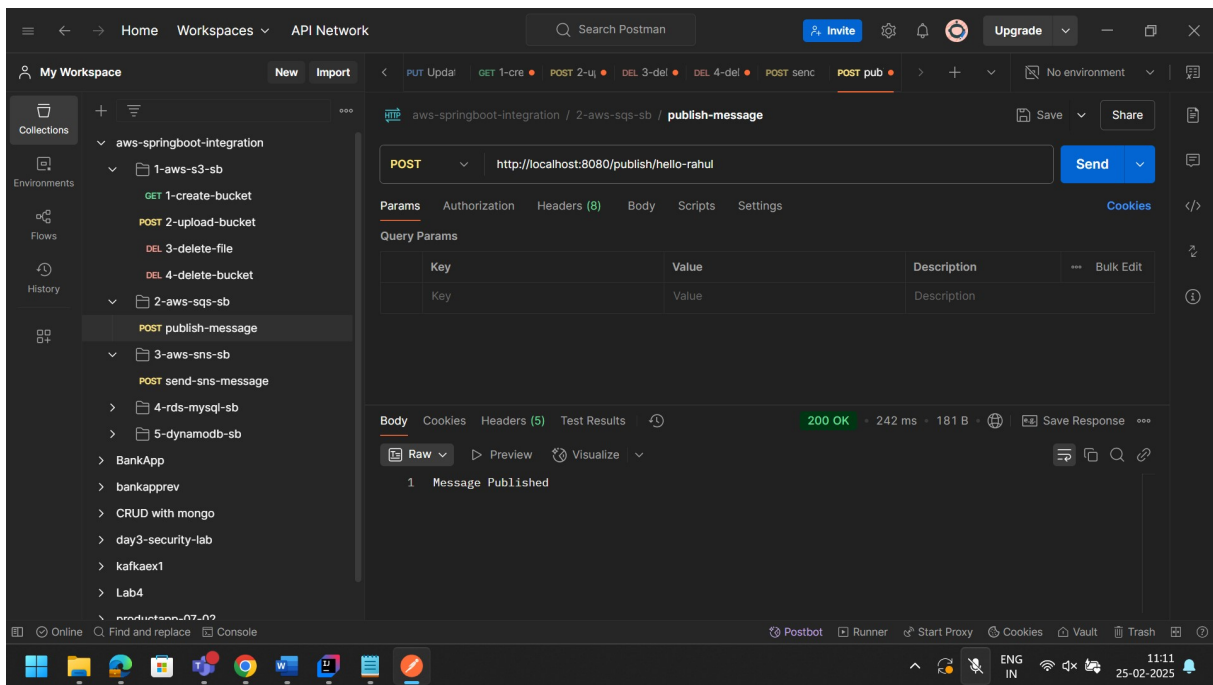
2: We will create a message and access from the code

3: We will do post request to send an message and message would be used by the consumers

Note: Delete SQS after demo And delete access key and secret key







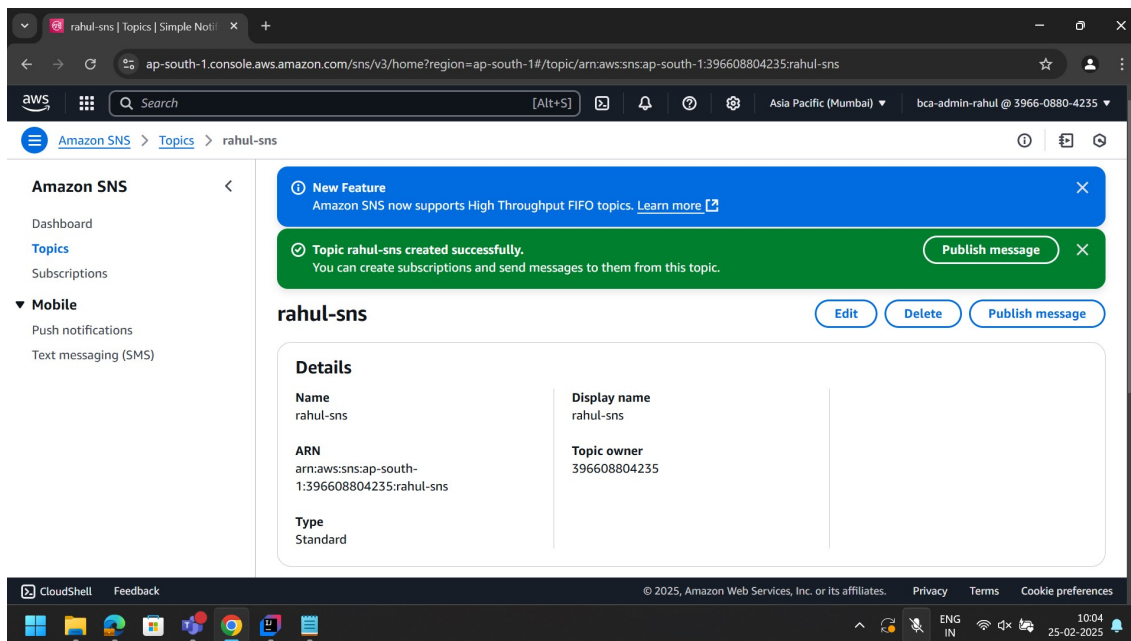
What is SNS?

Amazon Simple Notification Service (SNS) is a fully managed messaging service from AWS that enables developers to send notifications to various subscribers through channels like email, SMS, and mobile push notifications, using a publish-subscribe (pub/sub) model

Instruction:

- 1: first create topic with some name
- 2: Create subscription and provide email of the client
- 3: Publish message it will be automatically received by the subscribers
4. Create Spring boot SNS application and Run the application and observe message is send to all subscribers

SNS WITHOUT SPRING BOOT



Subscription: 00546129-feaa-4daa-9f9d-d131f90f297e

Amazon SNS > Topics > rahul-sns > Subscription: 00546129-feaa-4daa-9f9d-d131f90f297e

Amazon SNS

- Dashboard
- Topics
- Subscriptions

▼ **Mobile**

- Push notifications
- Text messaging (SMS)

New Feature
Amazon SNS now supports High Throughput FIFO topics. [Learn more](#)

Subscription to rahul-sns created successfully.
The ARN of the subscription is arn:aws:sns:ap-south-1:396608804235:rahul-sns:00546129-feaa-4daa-9f9d-d131f90f297e.

Subscription: 00546129-feaa-4daa-9f9d-d131f90f297e [Edit](#) [Delete](#)

Details

ARN arn:aws:sns:ap-south-1:396608804235:rahul-sns:00546129-feaa-4daa-9f9d-d131f90f297e	Status ⌚ Pending confirmation
Endpoint kalekarrahul12@gmail.com	Protocol EMAIL
Topic rahul-sns	

Subscription Principal

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Gmail

Search mail

Active

99+ Mail

Compose

Inbox 6,909

Starred

Snoozed

Sent

Meet

Primary

Promotions 7 new Career Brew - Career Br...

Social 6 new Prathik Manishankar - I...

Updates 29 new Career Brew - Career Br...

1-50 of 10,292

rahul-sns AWS Notification - Subscription Confirmation - You have chosen to subscribe t... 10:06

Microsoft account t. Microsoft account security code - Microsoft account Security code Please use th... 09:42

cbsalerts.sbi CBSSBI ALERT - भारतीय स्टेट बैंक की ओर से शुभकामनाएं! Greetings from SBI! Your A/... 24 Feb

Gmail

Search mail

Active

99+ Mail

Compose

Inbox 6,908

Starred

Snoozed

Sent

Drafts 3

More

Labels +

AWS Notification - Subscription Confirmation

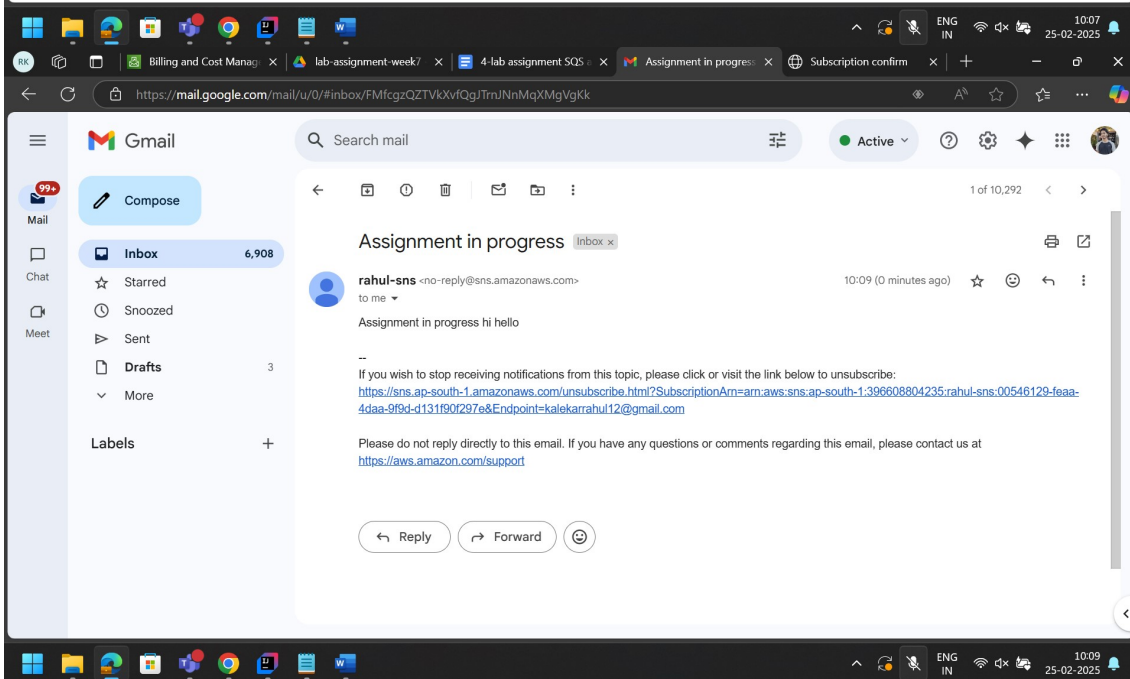
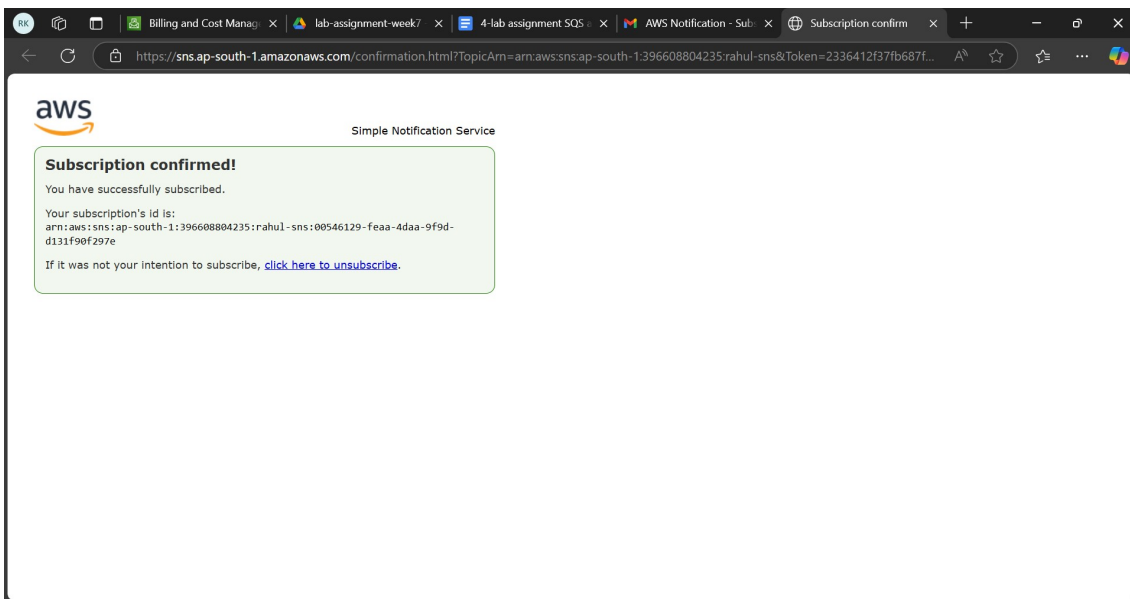
rahul-sns <no-reply@sns.amazonaws.com> to me 10:06 (0 minutes ago)

You have chosen to subscribe to the topic:
arn:aws:sns:ap-south-1:396608804235:rahul-sns

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SNS WITH SPRING BOOT

