3.7) 消费端的ack

一:消费端的ack模式

消费端的ack类型:自动ack 和手动ack

做消息限流的时候,我们需要关闭自动ack 然后进行手动ack的确认,若我们业务出现了问题,我们就可以进行nack

重回队列

当消费端进行了nack的操作的时候,我们可以通过设置来进行对消息的重回队列的操作(但是一般我们不会设置重回队列的操作)

代码演示(手动ack 以及重回队列操作)

```
______
public class producter {
public static void main(String[] args) throws IOException, TimeoutException {
ConnectionFactory connectionFactory = new ConnectionFactory();
connectionFactory.setVirtualHost("/");
connectionFactory.setHost("47.104.128.12");
connectionFactory.setPort(5672);
Connection connection = connectionFactory.newConnection();
Channel channel = connection.createChannel();
for(int i=0; i<5; i++) {
Map<String,Object> header = new HashMap<>();
header.put("num",i+1);
//设置消息属性
AMQP.BasicProperties basicProperties = new AMQP.BasicProperties().builder()
.contentEncoding("utf-8")
.contentType("application/json")
.deliveryMode(2).headers(header)
.build();
channel.basicPublish("test.ack.exchange","test.ack.key",false,basicProperties,("自定ack消息"+(i+1)).getBytes());
}
}
package com.hnnd.mg.NackAndReQueue;
import com.rabbitmq.client.Channel;
import com.rabbitmq.client.Connection;
import com.rabbitmq.client.ConnectionFactory;
import java.io.IOException;
import java.util.concurrent.TimeoutException;
* Created by Administrator on 2018/10/19.
public class Consumer {
  public static void main(String[] args) throws IOException, TimeoutException {
```

ConnectionFactory connectionFactory = new ConnectionFactory();

```
connectionFactory.setVirtualHost("/");
    connectionFactory.setHost("47.104.128.12");
    connectionFactory.setPort(5672);
    Connection connection = connectionFactory.newConnection();
    Channel channel = connection.createChannel();
    channel.exchangeDeclare("test.ack.exchange","direct",true,true,false,null);
    channel.queueDeclare("test.ack.queue",true,false,true,null);
    channel.queue Bind ("test.ack.queue", "test.ack.exchange", "test.ack.key");\\
    //gloabl设置为ture 那么就是channel级别的限流,若为false 就是consumer级别的限制流量
    //channel.basicQos(0,1,false);
    //关闭自动签收
    channel.basicConsume("test.ack.queue",false,new AngleCustomConsumer(channel));
 }
}
______自定
package com.hnnd.mq.NackAndReQueue;
import com.rabbitmq.client.AMQP;
import com.rabbitmq.client.Channel;
import\ com. rabbitmq. client. Default Consumer;
import com.rabbitmq.client.Envelope;
import\ org. spring framework. util. String Utils;
import java.io.IOException;
* Created by Administrator on 2018/10/19.
public class AngleCustomConsumer extends DefaultConsumer {
  private Channel channel;
   * Constructs a new instance and records its association to the passed-in channel.
   * @param channel the channel to which this consumer is attached
  public AngleCustomConsumer(Channel channel) {
    super(channel);
    this.channel = channel;
  }
  * 处理消息
   * @param consumerTag
  * @param envelope
   * @param properties
   * @param body
   * @throws IOException
  */
  public void handleDelivery(String consumerTag,Envelope envelope,AMQP.BasicProperties properties, byte[] body)
       throws IOException
  {
    try {
```

```
Thread.current Thread (). sleep (1000);\\
    } catch (InterruptedException e) {
       e.printStackTrace();\\
    }
    System.out.println(properties.getHeaders());
    String num = properties.getHeaders().get("num").toString();
    if(num .equals("1")) {
       System.out.println("业务系统处理消息异常消息重新回队列"+ new String(body));
       channel.basicNack (envelope.getDeliveryTag(), false, true);\\
    }else {
       System.out.println("自定义的消息消费端");
       System.out.println("consumerTag="+consumerTag);
       System.out.println("envelope="+envelope);
       System.out.println("properties="+properties);\\
       System.out.println("body="+new String(body));
       //消费端的手动签收,加入我关闭手动签收,也关闭自动签收,那么消费端只会接收到一条消息
       channel.basicAck (envelope.getDeliveryTag(), false);\\
  }
}
```