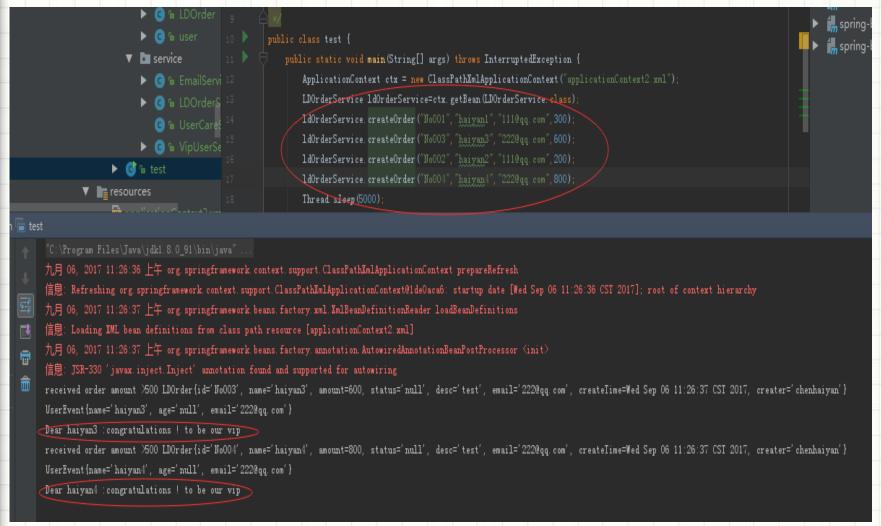


1用Spring内嵌的消息通知机制,完成一个DEMO:订单服务(LdOrderService)产生一个新订单(LDOrder)的时候,如果订单金额大于500,则VIPUserDetector服务发现并且调动VipUserService的方法,通知增加一个新VIP用户.当新VIP用户产生时,此外,UserCareService监听到此事件,于是通知EmailService,发送一封邮件给用户。不用数据库,也不真正发邮件,只要打印日志证明流程走通即可。尽量用上所学各种技能。



```
@Service
 public class LDOrderService {
     @Autowired
     private LDOrder 1dOrder;
     @Autowired
     private ApplicationEventPublisher publisher;
     public LDOrder createOrder (String id, String name, String email, Integer amount) {
         1dOrder.setName(name);
         ldOrder.setId(id):
         1dOrder.setAmount(amount):
         ldOrder.setCreater("chenhaiyan");
                                                          public class UserListener implements ApplicationListener {
         ldOrder.setDesc("test");
         1dOrder.setEmail(email);
         1dOrder.setCreateTime(new Date()):
         publisher.publishEvent(ldOrder);
                                                              @Override
                                                              public void onApplicationEvent(ApplicationEvent applicationEvent) {
         return 1d0rder:
                                                                      userEvent.print();
                                                                       emailService.sendEmailToUser(userEvent.getName(), userEvent.getEmail());
@Service
    public UserEvent addUser(String name, String email) {
        userEvent.setName(name):
                                               public void sendEmailToUser(String name, String email) {
                                                   System. out. println(String. format("Dear %s :congratulations! to be our vip ", name));
```

```
@Component
public class VIPUserDetector {

@Autowired
    private VipUserService vipUserService;

@Autowired
private ApplicationEventPublisher publisher;

@EventListener(value={LDOrder. class}, condition = "#object. amount > 500")
public void handlerEvent(Object object)
{
        System. out. println("received order amount >500 "+object);
        if (object instanceof LDOrder) {
            LDOrder ldOrder=(LDOrder) object;
            UserEvent userEvent=vipUserService.addUser(ldOrder.getName(), ldOrder.getEmail());
            publisher.publishEvent(userEvent);
        }
    }
}
```

