```
Unsatisfied Dependency problem
@RequestMapping(value = "/api")
public class User {
                                                                                                            public interface Order {
                                                                                                               public void createOrder();
   Order order;
   @PostMapping("/createOrder")
public ResponseEntity<String> createOrder() {
                                                                   ublic class OnlineOrder implements Order{
                                                                                                                                   blic class OfflineOrder implements Order{
                                                                     public OnlineOrder(){
                                                                                                                                    public OfflineOrder(){
    System.out.println("Offline Order initialized");
                                                                         System.out.println("Online Order Initialized");
        return ResponseEntity.ok( body: "");
                                                                     public void createOrder(){
    System.out.println("created Online Order");
                                                                                                                                    public void createOrder(){
    System.out.println("created Offline Order");
                                           APPLICATION FAILED TO START
                                           ******
              nsatisfiedDependencyException: Error creating bean with name 'user'
```

```
@Qualifier
                                                                                                                                                                                                                                                                                                                                                                                  ublic interface Order {
                                                                                                                                                                                                                                                                                                                                                                                        public void createOrder();
RequestMapping(value = "/api")
ublic class User {
        @Qualifier("onlineOrderObject")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Qualifier("offlineOrderObject")
                                                                                                                                                                                                                                      ualifier("onlineOrderObject")
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ublic class OfflineOrder implements Order{
                                                                                                                                                                                                                                 ublic class OnlineOrder implements Order{
                                                                                                                                                                                                                                          public OnlineOrder(){
           @PostMapping("/createOrder")
public ResponseEntity<String> createOrder() {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           nublic OfflineOrder(){
                                                                                                                                                                                                                                                           System.out.println("Online Order Initialized");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              System.out.println("Offline Order initialized");
                          order.createOrder();
return ResponseEntity.ok( body: "");
                                                                                                                                                                                                                                        public void createOrder(){
    System.out.println("created Online Order");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        public void createOrder(){
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           System.out.println("created Offline Order");
                                                                                                                                                                                                                                          }
                                                                                                                2024-05-0716:41:14.528-05:30 INFO 08826 --- [
2024-05-0716:41:14.521-05:30 INFO 08826 --- [
2024-05-0716:41:14.521-05:30 INFO 08826 --- [
2024-05-0716:41:14.959-05:30 INFO 08826 --- [
2044-05-0716:41:15.1499-05:30 INFO 08826 --- [
2024-05-0716:41:15.1499-05:30 INFO 08826 --- [
2024-05-0716:41:15.1499-05:30 INFO 08826 --- [
2024-05-0716:41:15.1499-05:30 INFO 08826 --- [
                                                                                                                                                                                                                                                                                                                                                   main] c.c.l.SpringbootApplication
main] c.c.l.SpringbootApplication
main] o.s.b.w.embedded.tomaxt.TomaxtWebServer
main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardService
main] o.a.c.c.C.[Tomaxt].[Conthast].[/]
main] w.s.c.ServletWebServerApplicationContex
                                                                                                                                                                                                                                                                                                                                                   main] o.s.b.w.embedded.tomcat.TomcatWebServer main] c.c.l.SpringbootApplication
                                                                                                                                                                                                                                                                                                                                                                  main] o.apache.catalina.core.StandardEngine
main] o.a.c.c.C.[Tomcat].[locathost].[/]
main] w.s.c.ServletWebServerApplicationConte:
                                                                                                                                          Office Order initialized

Online Order Initialized

INITIALIZED ORDER ORDER
```

```
| Designation | Particle | Public visid created of | Public visid crea
```

```
2nd Solution:
 RestController
RequestMapping(value = "/api")
public class User {
                                                                                                                       public void createOrder()
    Order order:
    @PostMapping("/createOrder")
                                                                        public OnlineOrder()f
    public ResponseEntity<String> createOrder() {
                                                                            System.out.println("Online Order Initialized");
                                                                                                                                               System.out.println("Offline Order initialized");
          order.createOrder();
                                                                       public void createOrder(){
                                                                                                                                          public void createOrder(){
        return ResponseEntity.ok( body: "");
                                                                            System.out.println("created Online Order");
                                                                                                                                               System.out.println("created Offline Order");
 ublic class AppConfig {
                                                                                                        application. properties\\
  @Bean
public Order createOrderBean(@Value
    if(isOnlineOrder) {
        return new OnlineOrder();
    } else {
        return new OfflineOrder();
}
                                                                                                     isOnlineOrder=false
```

```
2024-05-08T19:30:38.605+05:30 INFO 45167 --- [
                                                            main] o.apache.catalina.core.StandardService
2024-05-08T19:30:38.606+05:30 INFO 45167 --- [
                                                            main] o.apache.catalina.core.StandardEngine
2024-05-08T19:30:38.631+05:30 INFO 45167 --- [
                                                            main] o.a.c.c.C.[Tomcat].[localhost].[/]
2024-05-08T19:30:38.632+05:30 INFO 45167 --- [
                                                            \verb|main] w.s.c.ServletWebServerApplicationContext|\\
Offline Order initialized
2024-05-08T19:30:38.793+05:30 INFO 45167 --- [
                                                            mainl o.s.b.w.embedded.tomcat.TomcatWebServer
2024-05-08T19:30:38.798+05:30 INFO 45167 --- [
                                                            main] c.c.l.SpringbootApplication
                                        POST
                                                      http://localhost:8090/api/createOrder
  2024-05-08T19:30:38.606+05:30 INFO 45167 ---
                                                           main] o.apache.catalina.core.StandardEngine
                                                           main] o.a.c.c.C.[Tomcat].[localhost].[/]
   2024-05-08T19:30:38.632+05:30 INFO 45167 --- [
                                                           main] w.s.c.ServletWebServerApplicationContext
   Offline Order initialized
  2024-05-08T19:30:38.793+05:30 INFO 45167 --- [
                                                           mainl o.s.h.w.embedded.tomcat.TomcatWebServer
```

main] c.c.l.SpringbootApplication

INFO 45167 --- [nio-8090-exec-2] o.s.web.servlet.DispatcherServlet

INFO 45167 --- [

2024-05-08T19:32:33.610+05:30 INFO 45167 --- [nio-8090-exec-2] o.a.c.c.C.[Tomcat].[localhost].[/]

2024-05-08T19:32:33.611+05:30 INFO 45167 --- [nio-8090-exec-2] o.s.web.servlet.DispatcherServlet

2024-05-08T19:30:38.798+05:30

2024-05-08T19:32:33.610+05:30

created Offline Order

## @Value:

it is used to inject values from various sources like property file, environment variables or inline literals.

## <u>Inline Literal Example</u>

```
@Bean
public Order createOrderBean(@Value("false") boolean isOnlineOrder){
    if(isOnlineOrder) {
        return new OnlineOrder();
    } else {
        return new OfflineOrder();
    }
}
```