

Day 18 - Java and Spring Boot

@autowire → It will wire the dependent class to another Bean.
This wiring is called Dependency Injection

①

```
Payment.java
Java

@Component
public class Payment {

    private String providerName = "Paypal";

    public String getProviderName() {
        return providerName;
    }

    public void setProviderName(String providerName) {
        this.providerName = providerName;
    }

    public String printHello() {
        return "Hello...";
    }

    public Payment() {
        System.out.println("Payment Constructor is called::");
    }

    @Override
    public String toString() {
        return "Payment{" +
            "providerName='" + providerName + '\'' +
            '}';
    }
}
```

②

```
Customer.java
Java

@Component
public class Customer {

    private String name = "Bushan";

    @Autowired
    private Payment payment;

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public Payment getPayment() {
        return payment;
    }

    @Autowired
    public void setPayment(Payment payment) {
        this.payment = payment;
    }

    public Customer() {
        System.out.println("Customer constructor is called::");
    }
}
```

No Such Bean Definition Ex

③

```
AppConfig.java
Java

@Configuration
@ComponentScan("com.example.autowireannotation.components")
public class AppConfig {
}
```

④

```
Application.java
Java

@SpringBootApplication
public class AutowireannotationApplication {

    public static void main(String[] args) {
        SpringApplication.run(AutowireannotationApplication.class, args);
        AnnotationConfigApplicationContext context = new
        AnnotationConfigApplicationContext(AppConfig.class);
        Payment payment = context.getBean(Payment.class);
        Customer customer = context.getBean(Customer.class);
        System.out.println(payment.getProviderName()); // PayPal
        System.out.println(customer.getName()); // Bushan
        System.out.println(customer.getPayment()); // null PayPal
    }
}
```

Container

