SPRING CORE:

- **Bean Annotation Real Use Case:**

```
 9
10 @Service
11 public class Greeting
12 {
13
14    public Greeting()
15    {
16        System.out.println("Greeting bean created  --> Constructor");
17    }
18
19    public String generateWish()
20    {
21        LocalTime.now();
22        return "Good Night";
23    }
24
25 }
```

Here we are calling now() method which is getting invoked after creation of object (type LocalTime) due to which IOC container don't have detail about it.

```java
@Configuration
public class TimeConfig
{
    public TimeConfig()
    {
        System.out.println("TimeConfig bean created");
    }

    @Bean
    public LocalTime createTimeInstance()
    {
        LocalTime time=LocalTime.now();
        return time;
    }
}
```

a. Here now method is static that's why we are able to call it using it's class LocalTime.
b. Though we are manually creating object of LocalTime but we are using @Bean annotation (IOC gets info).
c. We can't annotate predefined class's like LocalTime, that's why we create their object manually and use @Bean annotation.

- **@Qualifier and @Primary:**
  - Both annotations are used at the time of dependency injection.
  - Primary is used on class (Use @Primary).
  - Qualifier is used on the method which will qualify which bean to inject (Use @Qualifier("name of class

in camelCase”).
- Qualifier can't be applied to constructors.
- If we apply both annotations then, Qualifier will dominate over Primary.