Spring Annotations and Attributes Cheat Sheet (Spring Framework)

Spring Core (Basics)

1. Configuration Annotation (@Configuration)
2. Component Scan Annotation (@ComponentScan[basePackages or basePackagesClasses])
3. Component Annotation (@Component)
4. Bean Annotation (@Bean)
5. Scope Annotation (@Scope[Scope name])
6. Autowired Annotation (@Autowired[required])
7. Primary Annotation (@Primary)
8. Qualifier Annotation (@Qualifier [Class id])
9. Import Annotation (@Import [{Class name.class}]) – (Annotation mode)
10. Import Resource Annotation (@ImportResource [“classpath:xml file name” or “file : absolute-path-of-xml file name”]) – (xml mode)
11. Value Annotation (@Value[value])
12. Property Source Annotation (@PropertySource [“classpath : properties file name”])
13. Required Annotation (@Required)
14. Genre Annotation (@Genere)
15. Offline Annotation (@Offline)
16. Movie Qualifier Annotation (@MovieQualifier [format,genere])
17. Resource Annotation (@Resource [name])
18. Post Contract Annotation (@PostContract)
19. Pre Destroy Annotation (@PreDestroy)

Spring Web MVC (Spring Web Application)

1. Enable Web MVC Annotation (@EnableWebMvc)
2. Rest Controller Annotation (@RestController)
3. Request Mapping Annotation (@RequestMapping [“”])
4. Get Mapping Annotation (@GetMapping[\*path/params/produces/consumes/headers\*])
5. Controller Annotation (@Controller)
6. Post Mapping Annotation (@PostMapping)
7. Delete Mapping Annotation (@DeleteMapping)
8. Put Mapping Annotation (@PutMapping)
9. Path Variable Annotation (@PathVariable[value])
10. Request Param Annotation (@RequestParam [variable name])
11. Model Attribute Annotation (@ModelAttribute)
12. Request Body Annotation (@RequestBody)
13. Cross Origin Annotation (@CrossOrigin)
14. Response Status Annotation (@ResponseStatus)
15. Rest Controller Advice Annotation (@RestControllerAdvice)
16. Exception Handler Annotation (@ExceptionHandler [{Exception.class}]

Spring Data JPA (Database Access)

1. Web App Configuration Annotation (@WebAppConfigration)
2. Context Configuration Annotation (@ContextConfigration [Class name.class])
3. Extend With Annotation (@ExtendWith [Class name.class])
4. Test Annotation (@Test)
5. Service Annotation (@Service)
6. Transactional Annotation (@Transactional)
7. Enable Jpa Repositories Annotation (@EnableJpaRepositories [base packages])
8. Enable Transaction Management Annotation (@EnableTransactionManagement)
9. Query Annotation (@Query [value, nativeQuery])
10. No Args Constructor Annotation (@NoArgsConstructor) \*
11. All Args Constructor Annotation (@AllArgsConstructor) \*
12. To String Annotation (@ToString) \*
13. Data Annotation (@Data) \*
14. Getter Annotation (@Getter) \*
15. Setter Annotation (@Setter) \*
16. Id Class Annotation (@IdClass [class name])
17. Param Annotation (@Param[value])
18. Json Format Annotation (@JsonFormat[pattern])

Spring Boot

1. Spring Boot Application Annotation (@SpringBootApplication)
2. Spring Boot Test Annotation (@SpringBootTest)

Special Notes:-

\*All Attributes are using handler methods and other annotations (Sometimes).

\*Lombok IntelliJ Idea plugin Annotations