**HCL Interview Question**

# **Profile: Java Programming and spring boot**

**First round (Core java +spring)**

1. What are the oop principle, where you used polymorphism in your project?
2. Why we are injecting interface reference in spring framework why not direct implementation?
3. Tell me Hash Map implementation
4. Difference between Linked List and Array List
5. How to make a map as synchronized map
6. What is the difference between Collections.synchronizedMap(m) and concurrent hash map
7. Difference between forEach and iterator
8. Can we instantiate interface if not then why?
9. Difference between classNotFoundException and NoClassDefError in which situation we will face this?
10. WAP to find number of vowels present and there count from given input String
11. What is serializable? If my business object not implement serializable is there any problem?

**Second round(Spring boot)**

1. Why we should go for spring boot?
2. What are the main component of spring boot?
3. How to monitor application in different environment?
4. Why we are returning ResponseEntity from controller method why not direct object?
5. How to handle exception using spring boot mvc architecture
6. What @SpringBootApplication annotation does?
7. Without any configuration file how spring boot scan our bean even we are not writing @Componentscan
8. How to write test case for controller method? Which framework u r using?
9. What are the build tools u r aware?
10. How to develop soap web service using spring boot without config.
11. I want to enable features in specific environment how can I archive using spring boot
12. Explain Spring batch architecture , suppose I want to do validation while batch job is running how can I do
13. What is application. Properties if I will keep different name instead of application will it work?
14. How to enable logging in spring boot
15. Difference between soap and rest web services give one example