Java Interview Questions

1	What would you rate your Java experience out of 10?
2	Why Java?
3	Java version you are using?
4	Do you use it in terms of testing only or in terms of development as well?
5	How many years using Java programming in testing do you have?
6	Difference between Heap and Stack?
7	What is Java String Pool?
8	What is class in Java?
9	Difference between class and object?
10	Logic to reverse String without given methods?
11	What is the length of EMPTY and null Strings?
12	How would you reverse a sentence without reversing the individual words themselves?
13	What is the difference between continue and break loop?
14	How to call the last stored value in an Array?
15	How can you find max value in an int array?
16	How can you find the second biggest number in an array?
17	Show me how you would sort an Array in ascending order, without using Arrays.sort
18	Give an example when you have written customs methods in your current project?
19	Static, non-static methods?
20	Can a class be static?
21	Tell me the differences between Static and Instance Variable/Block?
22	Can class be final?
23	Difference between local variable and instance variable?
24	Explain Access modifiers in Java ?
25	Can you give "public: access modifier where you are overriding a protected method?
26	You have private variables in class A, How can you access them in Class B? methods.
27	Difference between protected and default?
28	You have protected method in one class. In what classes you can access this method?
29	Explain public static void main.
30	Can we execute java program without using main method?
31	Difference between a method and constructor?
32	What is constructor chaining in Java?
33	Recursion in Java.
34	OOP concepts and how you used them in your last project?

35	Why OOP concept is important for producing a software?
36	Main uses of this keyword? Can it be used to refer statics?
37	Can we have multiple inheritance in java? If yes, how do we achieve that?
38	You are talking about inheritance so how do you use superclass variable in the subclass?
39	You hide data in what sense?
40	Has a Vs Is A relation in Java?
41	Difference between extends keyword and implements keyword?
42	What's the use of super keyword?
43	Method overloading VS Method Overriding?
44	What do you know about Interface?
45	What is the benefit of Interface?
46	What are the limitations of an Interface?
47	Difference between comparable and comparator interface?
48	How can you achieve abstraction?
49	Difference between final method and abstract method?
50	Difference between abstract class and non-abstract class?
51	The difference between class, abstract class and interface?
52	Give a specific example of how you implemented abstraction in your framework? Where did you use it?
53	When you choose interface over abstract class?
54	What is polymorphism?
55	What is runtime polymorphism?
56	How did you implement polymorphism in your Framework?
57	What kind of exception you faced and how you handled?
58	What is difference between runtime exception and compile time exception?
59	Can catch block handle multiple exceptions or only one at a time?
60	Class cast exceptions?
61	What could be the reason if you are getting NullPointerException?
62	Is it necessary that each try block must be followed by a catch block?
63	When does finally block not execute?
64	What is the difference between final, finally and finalize?
65	What are the differences between Throw and Throws keyword?
66	What is garbage collection in java
67	Tell me how do you understand immutability in java and what is the difference between mutable?
68	How do you achieve immutability?
69	What are Java generics?
70	Do you use streams?
71	Give me an example of up casting and down casting?

72	String builder/buffer differences?
73	What kind of collections you used in Java?
74	Give an example of how you used collections in the project?
75	Find unique values in an array using Collections.
76	How do you find if the ArrayList contains duplicates or not?
77	Array or ArrayList to use? Why?
78	How to compare two Arrays? Two Lists? What if values same, not same order?
79	How would you find the size of Array and Array List?
80	What is the difference between List, Queue and Set?
81	What is the difference between LinkedList and ArrayList?
82	What is Map?
83	What is HashMap explain, how do you use in your framework?
84	Tell me the differences between HashMap and LinkedHashMap?
85	What is the difference between a HashMap and HashTable?
86	How do you compare two values from different data structures?
87	What is thread safe?
88	How do you make your code thread safe?
89	What is multithreading and how would you use it as a test engineer/QA
90	What iterator methods do you use?
91	What is the difference between iterator and for/for each loops?
92	How do you iterate over HashMap?
93	Filtering and mapping in java