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11-May-2023

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- 1) Singleton Design Pattern
- 2) How HashMap works internally
- 3) Fail safe and fail fast collections
- 4) What is Constructor Chaining
- 5) What are the methods available in Object class?
- 6) How many ways we can create Object for class in java ?

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12-May-2023

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- 7) What is Cloning and why we need it ?
- 8) String vs StringBuffer vs StringBuilder
- 9) What is Exception Hierarchy in Java ?
- 10) What is Serialization and De-Serialization ?
- 11) What is transient keyword in java ?
- 12) Diff between Comparable and Comparator

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13-May-2023

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- 13) How many ways we can create Thread in java ?
- 14) Runnable vs Callable in Java
- 15) What is Executor Framework in Java
- 16) What is the contract between hashCode () & equals () methods
- 17) Checked Vs Unchecked exception
- 18) What is try-with-resources in java
- 19) What are concurrent collections in java ?
- 20) Difference between Interfaces & Abstract classes

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17-May-2023

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- 21) What is Shallow Cloning & Deep Cloning ?
- 22) What is the diff between filter () and map () methods in Stream API?
- 23) What is the purpose of User Defined Exceptions ?
- 24) What is Factory Design Pattern ?
- 25) What is diff between ConcurrentHashMap and HashMap ?
- 26) What is Weak Hash Map in Java ?
- 27) How to read File Data using Java 8?
- 28) Program to generate Random Text using Java
- 29) Program to generate OTP using Java
- 30) Program to check String contains only alphabets or not

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18-May-2023

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- 31) What are the rules for Method Overriding ?
- 32) What are variable arguments in Java ?
- 33) How to increase heap size while running java program ?
- 34) What are Generics in java ?
- 35) What is Auto Boxing and Auto Un-boxing ?
- 36) How to catch multiple exceptions using single catch block ?
- 37) What is StringJoiner class ?
- 38) What is Splliterator ?
- 39) Can we declare method as abstract and final ?
- 40) How to create user defined Immutable classes in Java ?

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19-May-2023

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- 41) How to sort 0's and 1's in given array

Input : {1,0,1,0,0,1,1}
Output : {0,0,0,1,1,1,1}

- 42) How to filter employees based on given salary using stream api
- 43) What is the difference between Lambda Expression & Method References
- 44) What is the use of default and static methods in interface
- 45) What is Optional class in java 8 ?
- 46) What is Completable Feature in Java ?

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23-May-2023
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- 46) What are the class loaders available in Java ?
- 47) What is Thread Local class ?
- 48) Can we overload main () method in java class ?
- 49) Can we run java program without main () method ?
- 50) What is Polymorphism explain with example ?
- 51) What are SOLID oops principles ?
- 52) What is Encapsulation with Example ?