

- 1) What all datatypes you know in java?
- 2) Can you give size required for each datatype?
- 3) What is default value of byte short int float long double boolean char
- 4) Is string datatype?
- 5) Can you define class?
- 6) Can you define Object?
- 7) Can you list out some in built classes in java?
- 8) What is difference between global and local variable?
tell me any 3 to 4 differences.
- 9) Can class be a return type of any method?
- 10) What is block in java? What is its syntax? When is it getting executed?
- 11) What is super class of all classes in java?
- 12) Do you know some methods in Object class ? Can you name some of them?
- 13) What is package and import keyword?
- 14) Can we give fully qualified class name instead of importing that class?
If yes how to do that?
- 15) What are access modifiers / access specifiers available in java?
Explain each of them in details?
- 16) Can you elaborate protected access specifier in java?
- 17) What is encapsulation? explain in brief?
- 18) Why global variables are recommended to be private?
- 19) Can you give me any real time example of encapsulation?
- 20) Explain Inheritance briefly.
- 21) Give real time example of Inheritance.
- 22) What are types of inheritance?
- 23) Can you explain advantages of Inheritance?
- 24) Why multiple Inheritance not supported in case of classes but in case of interfaces?
- 25) What is multilevel inheritance?
- 26) What is dynamic dispatch?
- 27) Can we assign subclass to super class and what will happen if we do that?
at compile time and runtime?
- 28) Can private variables or methods inherit?
- 29) Explain super keyword and its syntax?
- 30) Explain this keyword and its syntax?
- 31) Do you know rule for writing super(),this() in a program?
- 32) What is constructor in java
- 33) Can we call one constructor from another constructor?
- 34) What will happen if we make constructor private?
- 35) What are the ways to call constructors?
- 36) How many constructors we can have in a program? If more than one allowed
What care we need to take?
- 37) Define polymorphism?
- 38) Give real time example of polymorphism.
- 39) What is method overloading ? explain in detail all rules.
- 40) What is method overriding ? explain in detail all rules
- 41) What is @Override annotation?
- 42) Can we override static method?
- 43) Can we override constructors?
- 44) Can we override final methods?

- 45) Can constructor be overloaded?
- 46) What is static keyword in java
- 47) Can local variable be static?
- 48) What is difference between instance variable and static variables?
- 49) Do you know static block in java? When is it getting executed?
- 50) Can constructor be static?
- 51) Can we call static method and variables with object? Why it's not preferable?
- 52) What is final keyword in java?
- 53) What will happen if class is final?
- 54) What will happen if method is final?
- 55) What will happen if variable is final?
- 56) Can local variable be final?
- 57) What is abstraction in java.
- 58) How to achieve abstraction? Explain in detail?
- 59) Can you explain interface at least 4 points about it?
- 60) Can you explain abstract class at least 4 points about it?
- 61) Can you list out difference between interface and abstract class in java? at least 4.
- 62) What is garbage collection concept in java? Explain.
- 63) How to advise or suggest garbage collection to happen?
- 64) Explain System.gc().
- 65) What is use of finalize method?
- 66) What is difference between final , finally and finalize?
- 67) How to read file in java? Can you write a program?
- 68) How to write text file in java? Can you write a program?
- 69) What is difference between fileinputstream and fileoutputstream?
- 70) What is stream in java? Can you define?
- 71) What are types of streams ? explain character and byte stream?
- 72) What is use of File class in java?
- 73) What is serialization?
- 74) What is deserialization?
- 75) What is difference between Array and Collection?
- 76) What is difference between ArrayList and Vector and LinkedList?
- 77) What is difference between ArrayList and HashSet?
- 78) What is difference between List , Set and Map?
- 79) Can u iterate arraylist by using Iterator? Explain in with program.
- 80) Can u iterate arraylist by using ListIterator? Explain in with program.
- 81) Can u iterate arraylist by using for each? Explain in with program.
- 82) Can u iterate HashMap ? Explain in with program.
- 83) What u know about legacy classes in collection hierarchy?
- 84) What comes under list then set and then map explain each of them?
- 85) What is difference for each and for loop? Explain in with program.
- 86) What is difference iterator and ListIterator?
- 87) What is difference between Collection and Collections?
- 88) What is difference between TreeSet , HashSet and LinkedHashSet
- 89) What is difference between HashMap, Treemap, LinkedhashMap, Hashtable
- 90) What are generics in collection?
- 91) What is runtime exception and compile time exceptions?
- 92) What is checked Exception and unchecked exception?

- 93) Give me examples of compile time exceptions.
- 94) Give me examples of run time exceptions.
- 95) What is use of try block?
- 96) What is use of catch block?
- 97) What is use of finally block?
- 98) Can we write multiple catch blocks for every try block?
If yes, then what care we need to take?
- 99) What is difference between throw and throws?
- 100) Explain throw and throws each with 3 points?
- 101) Do you know any annotation in java? Please explain at least 2 annotations.
- 102) What is a syntax of one dimensional array?
- 103) What is a syntax of two dimensional array?
- 104) Can you reverse an array ? explain with program.
- 105) Can you iterate array by using for each loop? How?
- 106) How to create a String object?
- 107) What is difference between equals method of object class and String class?
- 108) What is difference between == and equals method of String class?
- 109) Tell me 5 methods of String class and explain each one of them with program?
- 110) What is string pool concept in java?
- 111) Difference between String StringBuffer and the StringBuilder.
- 112) How to create a simple thread in java?
- 113) Define thread?
- 114) What is difference between thread and process?
- 115) Can you explain lifecycle of Thread?
- 116) Can you write statements for jdbc connectivity?
- 117) Can you explain difference between preparedstatement and statement?
- 118) Can you explain How to retrieve data from database in java. Please explain all steps.
- 119) What is SQL?
- 120) What is DDL , DML and DCL?
- 121) What is RDBMS?
- 122) Can you write select query with where condition?
- 123) Can you write update query with where condition?
- 124) Can you write delete query with where condition?
- 125) Can you write insert query?
- 126) What is primary Key?
- 127) What is foreign Key?
- 128) Can you explain memory management in java?

Programs

- 1) Write a program to find prime number.
- 2) Write a program for finding factorial of a number?
- 3) Write a program for Fibonacci series
- 4) Write a program for Armstrong number
- 5) Write a program for sum of digits 123 - 6
- 6) Write a program for reverse a number 123 -- 321
- 7) Write a program for writing any digit in word
- 8) Write a program for 240 - two four zero
- 9) Write a program to generate any pattern of your wish.
- 10) How to reverse a String in Java?
- 11) How to swap two numbers without using a third variable?
- 12) Java Program to check if a vowel is present in the string?
- 13) Java Program to check if number is Palindrome Check?
- 14) How to remove Whitespaces from String
- 15) Sorting an array in Java?
- 16) Sum of all elements in integer array?
- 17) Find largest number in an array?
- 18) Find second largest number in an array?
- 19) How to get distinct characters and their count in a String?
- 20) Java Program to print the smallest element in an array
- 21) Java Program to print the elements of an array present on odd position