

1. About java?
  - 1995
  - James gosling
  - Sun Microsystems
  - Oak
  - Oracle
  - Object oriented programming language
  - Faster than python, slower than c++
  - Java is all about class and methods
  - Highly secured since no pointers are used here.
  - Mobile app & Web developments
2. Size of int in java?
  - 4 bytes
3. JDK?
  - Java Developer Kit
4. JVM?
  - Java Virtual Machine
  - Convert user code to byte code
5. UTF?
  - Unicode Transformation Format
  - A java String is internally unicoded in UTF-16
6. Java Packages?
  - 6, (a, a, io, u, l, n), hint is vowels, [awt, applet, io, util, lang, net]
7. Type casting?
  - Widening type casting (Automatically),
  - Narrowing type casting (Manually)
8. Local variable?
  - Variable declared within a method
9. Instance variable?
  - Variable declared Outside a method
10. Why java is not a pure OOP-language?
  - Java Supports primitive data types
11. Primitive data types? (8)
  - Int, float, double,
  - long, short,
  - char,
  - Boolean,
  - byte
12. String is not a primitive data type.

13. Data Encapsulation?
  - OOPs concept of hiding the data attributes & behaviours
14. Attributes?
  - = fields
  - Ex.Attributes req for class declaration are keyword class & name of the class
15. JIT?
  - Just In Time complier
16. Why main method is static?
  - Can access class without object
  - In java if method access by object than that is dynamic method.
17. Signed data types?(4)
  - Int,(short,long),byte
  - Keyword: libs(udhadu)
18. Smallest integer type & its size?
  - Boolean & 1 bits
19. Size of the data types
  - Byte-8bits
  - Int,float-32bits
  - Double-64bits
  -
20. If a local variable assigned out of its scope then its throws an error.(refer examveda chapter1 q.no 7)
21. ASCII ?
  - American Standard Code For Information Interchange
  - 128 standard ASCII characters, numbered from 0 to 127
22. Float-Sufficient for storing 6 to 7 decimal digits
23. Double- Sufficient for storing 15 decimal digits
24. Classification of primitive datatypes based on size?
  - 1bit- Boolean
  - 8bits-byte
  - 16 bits- short,char
  - 32 bits- int,float
  - 64 bits- double,long

Shortcuts to remember: all are in bits,chinna carrot 16 rupees, ellarukum oru oru bool than,64 is a angel number

25. Smallest integer type?
  - Byte(8 bits)

26. Byte?
  - Can store whole numbers from -128 to 127.
  - Saves memory
  - Kdg concept of a sign is not applicable to boolean.)
27. concept of a sign is not applicable to boolean.)
28. The char type is unsigned,
29. most significant bit ("MSB")
  - LSB-Least significant bit
30. Decimal-base 10
  - Binary-base 2
31. Convert decimal number 25 to binary code & find MSB & LSB?
32. How to convert integer to byte?
33. Byte value Of 258?
  - Whenever a casting done where source value is greater than the range of the destination then the result is the remainder of the division of source by the range of the destination. In this case the result is the remainder of the division of 258 by 256(the range of a byte), which is 2.
34. Range of byte?
  - -128 to 127(total is 256)
35. API- Application programming interface
36. Class ?
  - **Template use to create object and to define object data-types and methods (TUTCOATDODTAM)**
37. Java package?
  - Group ,library
  - In group,has folders in folders realted classes are there.
  - Types-
    - Built-in Packages (packages from the Java API)
    - User-defined Packages
38. Ultimate target is to create object
39. Dif bet System.out.println() & System.out.print().
40. Compilation error?
41. Range of byte data in java?
42. What is mean by byte data type in java is cyclic in nature.proove by example.
43. Decimal-Numerical representation of any number in base10
44. Binary-Numerical representation of any num in base 2
45. Octal- Numerical representation of any num in base 8
46. HexaDecimal- Numerical representation of any num in base 16

47. How to convert integer to string? do a program .
48. How to convert string to integer? Program must
49. How to convert string to char?
50. How to convert integer to char?
51. How to cast?
- 52.

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