

JAVA QUESTION BANK UNIT-I

1. What is Java? List and explain different features of Java.
2. Explain Java tokens.
3. What is data type? Explain different data types available in Java.
4. What is variable?
5. Explain different operators available in Java.
6. Explain if condition with suitable example.
7. What is nested if condition? Explain it with suitable example.
8. Explain switch case with suitable example.
9. Explain while loop with suitable example.
10. Explain do while loop with suitable example.
11. Differentiate between while and do while loop.
12. What is typecasting? Explain it's type with example.
13. What is array? How to declare array in java.
14. Explain concept of 2D array in java.
15. List and explain different features of OOPs.
16. Define following term:
 - a. class
 - b. Object
 - c. Constructor
 - d. Polymorphism
 - e. Overloading
 - f. Overriding
 - g. Encapsulation
 - h. Abstraction
 - i. Abstract class
 - j. Inheritance
 - k. Interface
17. Explain static keyword with suitable example.
18. Explain purpose of constructor with suitable example.
19. What is constructor? Explain it's type.
20. Explain purpose of this keyword with suitable example.
21. What is Inheritance? List it's type.
22. Explain single Inheritance with suitable example.
23. Explain multilevel Inheritance with suitable example.
24. Explain hierarchical Inheritance with suitable example.

25. How multiple Inheritance is achieved in java explain with suitable example.
26. Explain purpose of super keyword.
27. How super keyword is used to call constructor explain with example.
28. What is polymorphism? List its type. Explain any one in detail.
29. Explain concept of method Overloading.
30. Explain concept of method Overriding.
31. With the help of example explain compile time polymorphism.
32. With the help of example explain run time polymorphism.
33. What is Abstraction? What are its type.
34. Explain purpose of packages.
35. What is package.?
36. Explain use of following predefined packages:
 - a. java.lang
 - b. java.util
 - c. java.io
 - d. java.sql
 - e. javax.swing
37. List and explain different access specifiers.
38. How packages are created and used explain.
39. Explain purpose of import keyword.
40. What is exception? List and explain different types of exception available in java.
41. Explain try-catch-finally block with example.
42. Explain throws keyword with suitable example.
43. Explain throw keyword with suitable example.
44. What is collection? What are advantages of using collection.
45. Define collection framework.
46. What is List? Explain different methods of List interface.
47. What is ArrayList? Explain different methods of ArrayList class.
48. What is LinkedList? Explain different methods of LinkedList class.
49. Write difference between ArrayList and LinkedList.
50. What is Set? Explain different methods of Set interface.