

**JAVA I**  
**Lab Assignment-7**

1. Demonstration of try-catch block.
  2. Demonstration of try-catch-finally block.
  3. Write a program to demonstrate handling of multiple expectations (multiple catch).
  4. Demonstrate the concept of nested try.
  5. Write a program to show an exception being thrown by the user (throw keyword).
  6. Write a program to demonstrate the use of throws keyword.
  7. Write a program to demonstrate multiple exceptions being thrown by a method.
  8. Demonstrate the use of finally keyword.
  9. Show the use of finally block as an alternative of catch block.
  10. Write a program to demonstrate an exception being defined by the user himself/herself.
  11. Demonstrate the creation of threads using Thread class.
  12. Demonstrate the creation of threads using Runnable Interface.
  13. Demonstrate creation of threads with priorities.
  14. Demonstrate the use of synchronized method and synchronized statement.
  15. Demonstrate multiple threads being created with alive() and join() methods.
  16. Demonstrate the creation and use of enumeration along with values() and valueOf() methods.
  17. Demonstrate creation of methods and constructors inside enumeration.
  18. Demonstrate constructor overloading inside enumeration.
  19. Demonstrate ordinal(), equals() and compareTo() methods in enumeration.
  20. Demonstrate wrapper classes for different primitive data types.
  21. Demonstrate the concept of autoboxing and auto-unboxing.
  22. Demonstrate occurrence of autoboxing and auto-unboxing in expressions and methods.
  23. Write a program to demonstrate different aspects of Annotations.
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