Algorithms and Execution Policies Solutions

Algorithms and exceptions

- Write a program which calls a standard algorithm function with a callable object

- Modify the program so that the callable object throws an exception which is handled in a catch block by the caller

- Write a similar program in which the algorithm function uses an execution policy

Algorithms and exceptions

- Explain the difference in the results
    - In the first case, the exception thrown by the callable object is passed by the algorithm function to its enclosing scope
    - The exception handling mechanism detects the exception and handles it in the normal way
    - In the second case, the algorithm function calls std::terminate(). By default, this causes the program to terminate immediately