Stream Member Functions and State Exercises

open()

- Explain what the open() member of fstream does

is_open()

- Explain what the is_open() member of fstream does

Stream State Member Functions

- Name the member functions which can be used to check the state of a stream

- Name the member function which resets the state of the stream after an error

- Name the member function which checks for end of file

- Is it safe to call this member function in a loop?

Example of Checking Stream State

- Write a simple program which reads a number entered by the user and checks the state of the standard input stream

- Test your program by entering invalid data

Error Recovery

- Write a simple program which reads a number entered by the user
- If the user enters invalid data, the program prompts the user to try again
- Test your program by entering invalid data