

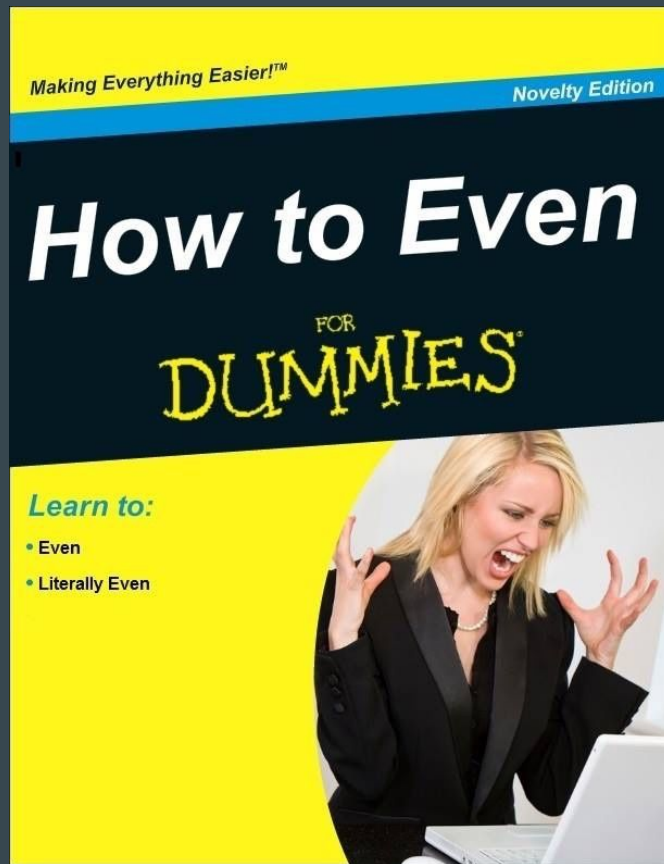
# Same Info Assertion

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Ticket #76

# Problem Statement

Collective operations that accept info (e.g., Communicator, File, and Window creation) may need to perform an internal reduction to determine whether the same info hints have been provided by all processes.



# Proposed Solution

Add an info assertion allowing users to indicate that all processes have provided the same info hints. This info key is intended for use in collective MPI object creation routines (Communicator, Window, and File objects).

Add to Section 6.4.4 (Communicator Info):

***mpi\_assert\_same\_info (boolean, default: false)*** -- If set to true, then the implementation may assume that all processes participating in the given operation have provided identical info objects.

# Future Work and Discussion

1. Scan standard for operations that use Info and think about whether such an info key makes sense for the given operation.
2. Review Communicator, File, and Window creation text to determine if the text should contain a reference to the info key.
3. Review info set operations to determine usefulness of proposed info key in each context.

# Straw Poll

Like?

Hate?

Meh?