

Mediator Coding Exercise

Our system has any number of instances of `Participant` classes. Each Participant has a `value` integer, initially zero.

A participant can `say()` a particular value, which is broadcast to all other participants. At this point in time, every other participant is *obliged* to increase their `value` by the value being broadcast.

Example:

- Two participants start with values 0 and 0 respectively
- Participant 1 broadcasts the value 3. We now have Participant 1 value = 0, Participant 2 value = 3
- Participant 2 broadcasts the value 2. We now have Participant 1 value = 2, Participant 2 value = 3