Enumerations Start with 0 in C In C, enumerations • start with 0, but • can be overridden. For example, given enum {FALSE, TRUE}; • FALSE has value 0, and • TRUE has value 1.

```
We count the number of values by adding an extra name at the end:

enum {

SPACE_EMPTY,

SPACE_FULL,

SPACE_BLOCK,

NUM_SPACE_TYPES

};

If new names are added,

NUM_SPACE_TYPES grows automatically

along with any arrays based on it.
```

Enumerations Can Also Be Used for Bit Vectors Enumerations can also be used to name bits in a bit vector: enum { LEFT_WALL = 1, RIGHT_WALL = 2, UPPER_WALL = 4, LOWER_WALL = 8, HAS_EXIT = 16 }; Notice how the default values can be overridden.