

## COMPOSITION

Embedded Objects

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## COMPOSITION CHARACTERISTICS

- Parts are bound strongly or tightly to the whole by embedding, nesting, or containment
- Parts are created and destroyed simultaneously with the whole object is created and destroyed
- Once created, the parts can't be replaced
- The parts are not shared with any other object in the program
- Parts are implemented as non-pointer member variables in the whole class







## COMPOSITION DIRECTIONALITY



## IMPLEMENTING COMPOSITION

