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CONSTRUCTORS IN DERIVED CLASSES

- ✓ We can use constructors in derived classes in C++
- ✓ If base class constructor does not have any arguments, there is no need of any constructor in derived class.
- ✓ But if there are one or more arguments in the base class constructor, derived class need to pass arguments to the base class constructor
- ✓ If both base and derived classes have constructors, base class constructor is executed first.

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CONSTRUCTORS IN MULTIPLE INHERITANCE

- ✓ In multiple inheritance, base classes are constructed in the order in which they appear in the class declaration
- ✓ In multilevel inheritance, the constructors are executed in the order of inheritance

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SPECIAL CASE OF VIRTUAL BASE CLASS

- ✓ The constructors for virtual base classes are invoked before an nonvirtual base class
- ✓ If there are multiple virtual base classes, they are invoked in the order declared.
- ✓ Any non-virtual base class are then constructed before the derived class constructor is executed

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