Class Data

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Class Data

- Class Data Types
  - Class data can be any allowed C++ type
  - Class data can be any defined type
    - Including another class

Class Data

- Class Data Types
  - Class access specifiers
    - Public
    - Private

  - Private
    - Scope is within the class
    - Cannot be seen/modified from outside the class
    - Sometimes called "data hiding"
    - Default mode

  - Public
    - Visible outside the class
    - Accessed via objectName.variable syntax
    - Rare – data is almost always private

Class Data

- Class Data Types

```
// Circle class declaration
class Circle{
  private:
    double radius;

  ...
};
```

Notes:
note colon after class access specifier – private: