

```
class Date          // definition and implementation combined
{
private:
    int m_nMonth;
    int m_nDay;
    int m_nYear;
    Date() { } // private default constructor
public:
    Date(int nMonth, int nDay, int nYear)
    {
        SetDate(nMonth, nDay, nYear);
    }

    void SetDate(int nMonth, int nDay, int nYear)
    {
        m_nMonth = nMonth;
        m_nDay = nDay;
        m_nYear = nYear;
    }

    int GetMonth() { return m_nMonth; }
    int GetDay()   { return m_nDay; }
    int GetYear()  { return m_nYear; }
};
```

```
// Date.h
```

```
class Date
```

```
{
```

```
private:
```

```
    int m_nMonth;
```

```
    int m_nDay;
```

```
    int m_nYear;
```

```
    Date() { } // private default constructor
```

```
public:
```

```
    Date(int nMonth, int nDay, int nYear);
```

```
    void SetDate(int nMonth, int nDay, int nYear);
```

```
    int GetMonth() { return m_nMonth; }
```

```
    int GetDay() { return m_nDay; }
```

```
    int GetYear() { return m_nYear; }
```

```
};
```

```
// Date.cpp
```

```
#include "Date.h"
```

```
// Date constructor
```

```
Date::Date(int nMonth, int nDay, int nYear)    /// note scope operator  
{  
    SetDate(nMonth, nDay, nYear);  
}
```

```
// Date member function
```

```
void Date::SetDate(int nMonth, int nDay, int nYear)  
{  
    m_nMonth = nMonth;  
    m_nDay = nDay;  
    m_nYear = nYear;  
}
```