

Scott Parker
Day of Year
Ch14 Prob 2

```
#include <iostream>
#include <string>
using namespace std;
```

user libraries
#include "DayYear.h"

Constants -
None to declare

Function Prototypes
None

A

A

Start Main

unsigned short
number;

```
cout<<"Enter a  
number from 1 to 365"  
cin>>number;
```

```
while (cin.fail()  
|| number<1 ||  
number>365)
```

DayYear date(number);

```
cout<<date.print()
```

Exit
Return 0;

DayYear::DayYear
(unsigned short n)

number=n

Exit

Class::DayYear

private:
unsigned short number

public:
DayYear(unsigned short):
print () : string

DayYear::print
()

```
string month="", date="";  
unsigned short day;
```

```
if (number<=31)  
month="January";  
day=number
```

```
else if (number<=59)  
month="February ";  
day=number-31;
```

```
else if (number<=90)  
month="March ";  
day=number-59;
```

```
else if (number<=120)  
month="April ";  
day=number-90;
```

```
else if (number<=151)  
month="May ";  
day=number-120;
```

```
else if (number<=181)  
month="June ";  
day=number-151;
```

```
else if (number<=212)  
month="July ";  
day=number-181;
```

```
else if (number<=243)  
month="August ";  
day=number-212;
```

```
else if (number<=273)  
month="September ";  
day=number-243;
```

```
else if (number<=304)  
month="October ";  
day=number-273;
```

```
else if (number<=334)  
month="November ";  
day=number-304;
```

```
else  
month="December  
"day=number-334;
```

```
date=month+  
std::to_string(day);
```

```
return date;  
exit
```