```cpp
/*
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CS414-Programming Languages
Leap Year Investigation
*/

#include <iostream>
using namespace std;

int main()
{
    int year;

    cout << "Enter a year: ";
    cin >> year;

    if (year % 4 == 0)
    {
        if (year % 100 == 0)
        {
            if (year % 400 == 0)
                cout << year << " is a leap year.";
            else
                cout << year << " is not a leap year.";
        }
        else
            cout << year << " is a leap year.";
    }
    else
        cout << year << " is not a leap year.";

    system("PAUSE");

    return 0;
}
```

C:\Users\williamkelley\source\repos\leapyear\Debug\leapyear.exe

```
Enter a year: 2400
2400 is a leap year.Press any key to continue . . . _
```

C:\Users\williamkelley\source\repos\leapyear\Debug\leapyear.exe

```
Enter a year: 2025
2025 is not a leap year.Press any key to continue . . .
```

Select C:\Users\williamkelley\source\repos\leapyear\Debug\leapyear.e

```
Enter a year: 2024
2024 is a leap year.Press any key to continue . . . _
```