#include <iostream>

using namespace std;

class DayOfYear

{

private:

int day;

string month;

public:

DaysofYear(int d, string m)

{

day = d;

string = m;

if(day > 31 || day < 0)

{

cout << "Invalid input";

}

}

void print(int);

};

void DayOfYear::print(int day)

{

if(day > 0 && day <= 31)

{

cout << "January " << day;

}

if(day > 31 && day <= 59)

{

cout << "Febuary " << day - 31;

}

if(day > 59 && day <= 90)

{

cout << "March " << day - 59;

}

if(day > 90 && day <= 120)

{

cout << "April " << day - 90;

}

if(day > 120 && day <= 151)

{

cout << "May " << day - 120;

}

if(day > 151 && day <= 181)

{

cout << "June " << day - 151;

}

if(day > 181 && day <= 212)

{

cout << "July " << day - 181;

}

if(day > 212 && day <= 243)

{

cout << "August " << day - 212;

}

if(day > 243 && day <= 273)

{

cout << "September " << day - 243;

}

if(day > 273 && day <= 334)

{

cout << "October " << day - 273;

}

if(day > 334 && day <= 365)

{

cout << "November " << day - 334;

}

else

cout << "Invalid input";

};

int main()

{

DayOfYear dayYear;

int day;

cout << "Enter a number: ";

cin >> day;

cout << "Here is the month and day of that number:\n";

dayYear.print(day);

return 0;

}