#include <iostream>

#include <string>

using namespace std;

class Date

{

private:

int month, day, year;

public:

Date();

Date(int, int, int);

void setDay(int);

void setMonth(int);

void setYear(int);

void showDate1();

void showDate2();

void showDate3();

};

Date::Date()

{

month = 0, day = 0, year = 0;

}

Date::Date(int Month, int Day, int Year)

{

month = Month;

day = Day;

year = Year;

}

void Date::setDay(int d)

{

if (d < 1 && d > 31)

cout << "The day is invalid" << endl;

else

day = d;

}

void Date::setMonth(int m)

{

if (m < 1 && m > 12)

cout << "The month is invalid" << endl;

else

month = m;

}

void Date::setYear(int y)

{

if (y < 1950 && y > 2020)

cout << "The year is invalid" << endl;

else

year = y;

}

void Date::showDate1()

{

cout << month << " /" << day << " /" << year << endl;

}

void Date::showDate2()

{

string monthName[] = { "January", "February", "March",

"April", "May", "June", "July",

"August", "September", "October",

"November", "December" };

cout << monthName[month - 1] << " " << day << " " << year << endl;

}

void Date::showDate3()

{

string monthName[] = { "January", "February", "March",

"April", "May", "June", "July",

"August", "September", "October",

"November", "December" };

cout << day << " " << monthName[month - 1] << " " << year << endl;

}

int main()

{

int Month, Day, Year;

string monthName[] = { "January", "February", "March",

"April", "May", "June", "July",

"August", "September", "October",

"November", "December" };

cout << "Please enter a month (between 1 - 12) " << endl;

cin >> Month;

cout << "Please enter a day (between 1 - 31) " << endl;

cin >> Day;

cout << "Please enter a year (between 1950 - 2020) " << endl;

cin >> Year;

Date newDate(Month, Day, Year);

newDate.showDate1();

newDate.showDate2();

newDate.showDate3();

return 0;

}