

حقوق النشر محفوظة، أسعار الكورسات في المنصة هي أسعار رمزيه جدا، ارجو عدم نشر هذه الوثيقة لان نشرها سيمنعنا من الاستمرار في تقديم العلم للآخرين

ارجو عدم استخدام هذه الوثيقة من غير وجه حق لأنك ستحرم الاف الناس من التعلم

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```
#include <iostream>
using namespace std;
bool isLeapYear(short Year)
  return (Year % 4 == 0 && Year % 100 != 0) || (Year % 400 == 0);
}
short NumberOfDaysInAMonth(short Month, short Year)
    if (Month < 1 || Month>12)
        return 0;
    int days[12] = { 31,28,31,30,31,30,31,30,31,30,31 };
    return (Month == 2) ? (isLeapYear(Year) ? 29 : 28) :
days[Month - 1];
}
short NumberOfDaysFromTheBeginingOfTheYear(short Day, short Month,
short Year)
    short TotalDays = 0;
    for (int i = 1; i <= Month - 1; i++)</pre>
        TotalDays += NumberOfDaysInAMonth(i, Year);
    }
    TotalDays += Day;
    return TotalDays;
}
struct sDate
    short Year;
    short Month;
    short Day;
};
```





```
sDate GetDateFromDayOrderInYear(short DateOrderInYear, short Year)
    sDate Date;
    short RemainingDays = DateOrderInYear;
    short MonthDays = 0;
    Date.Year = Year;
    Date.Month = 1;
    while (true)
        MonthDays = NumberOfDaysInAMonth(Date.Month, Year);
        if (RemainingDays > MonthDays)
        {
            RemainingDays -= MonthDays;
            Date.Month++;
        }
        else
            Date.Day = RemainingDays;
            break;
        }
    }
    return Date;
}
short ReadDay()
    short Day;
    cout << "\nPlease enter a Day? ";</pre>
    cin >> Day;
    return Day;
}
short ReadMonth()
{
    short Month;
    cout << "\nPlease enter a Month? ";</pre>
    cin >> Month;
    return Month;
}
```





```
short ReadYear()
    short Year;
    cout << "\nPlease enter a Year? ";</pre>
    cin >> Year;
    return Year;
}
int main()
    short Day = ReadDay();
    short Month = ReadMonth();
    short Year = ReadYear();
    short DaysOrderInYear =
NumberOfDaysFromTheBeginingOfTheYear(Day, Month, Year);
    cout << "\nNumber of Days from the begining of the year is "</pre>
        << DaysOrderInYear << "\n\n";
    sDate Date;
    Date = GetDateFromDayOrderInYear(DaysOrderInYear, Year);
    cout << "Date for [" << DaysOrderInYear << "] is: ";</pre>
    cout << Date.Day << "/" << Date.Month << "/" << Date.Year;</pre>
    system("pause>0");
    return 0;
}
```