

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)
    // if year is divisible by 4 AND not divisible by 100
  // OR if year is divisible by 400
  // then it is a leap year
  return (Year % 4 == 0 && Year % 100 != 0) || (Year % 400 == 0);
}
short NumberOfDaysInAMonth(short Month, short Year)
    if (Month < 1 || Month>12)
        return 0;
    if (Month == 2)
        return isLeapYear(Year) ? 29 : 28;
    }
    short arr31Days[7] = { 1,3,5,7,8,10,12 };
    for (short i = 1; i <= 7; i++)
        if (arr31Days[i - 1] == Month)
            return 31;
    }
    //if you reach here then its 30 days.
    return 30;
}
short NumberOfHoursInAMonth(short Month, short Year)
    return NumberOfDaysInAMonth(Month, Year) * 24;
}
int NumberOfMinutesInAMonth(short Month, short Year)
    return NumberOfHoursInAMonth(Month, Year) * 60;
}
int NumberOfSecondsInAMonth(short Month, short Year)
    return NumberOfMinutesInAMonth(Month, Year) * 60;
}
```



```
short ReadMonth()
    short Month;
    cout << "\nPlease enter a Month to check? ";</pre>
    cin >> Month;
    return Month;
}
short ReadYear()
{
    short Year;
    cout << "\nPlease enter a year to check? ";</pre>
    cin >> Year;
    return Year;
}
int main()
{
    short Year = ReadYear();
    short Month = ReadMonth();
    cout << "\nNumber of Days in Month [" << Month << "] is "</pre>
        << NumberOfDaysInAMonth(Month, Year);</pre>
    cout << "\nNumber of Hours in Month [" << Month << "] is "</pre>
        << NumberOfHoursInAMonth(Month, Year);</pre>
    cout << "\nNumber of Minutes in Month [" << Month << "] is "</pre>
        << NumberOfMinutesInAMonth(Month, Year);</pre>
    cout << "\nNumber of Seconds in Month [" << Month << "] is "</pre>
        << NumberOfSecondsInAMonth(Month, Year);</pre>
    system("pause>0");
    return 0;
}
```