

1. 题目

02733: 判断闰年

<http://cs101.openjudge.cn/practice/02733/>

思路：

- 按提示判断是否为闰年
- 注意到题目保证年份不超过3000，不需要考虑被3200整除的情况

代码

```
a = int(input())
if a % 4 != 0 or (a % 100 == 0 and a % 400 != 0):
    print("N")
else:
    print("Y")
```

代码运行截图 (至少包含有"Accepted")

OpenJudge 题目ID, 标题, 描述 搜索 Chaitinlen 信箱 账号

CS101 / 题库 (包括计概、数算题目)

题目 排名 状态 提问

#46041510提交状态 查看 提交 统计 提问

状态: Accepted

源代码

```
a = int(input())
if a % 4 != 0 or (a % 100 == 0 and a % 400 != 0):
    print("N")
else:
    print("Y")
```

基本信息

#: 46041510

题目: 02733

提交人: 颜鼎堃(Chaitinlen)

内存: 3540kB

时间: 21ms

语言: Python3

提交时间: 2024-09-10 17:01:24

English 帮助 关于

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02750: 鸡兔同笼

<http://cs101.openjudge.cn/practice/02750/>

思路：

- 要注意除法之后转为整数输出！

代码

```
a = int(input())
if a % 2 == 1:
    print("0 0")
else:
    max_animal = a/2
    min_animal = max_animal // 2 + max_animal % 2
    print(str(int(min_animal)) + ' ' + str(int(max_animal)))
```

代码运行截图 (至少包含有"Accepted")



50A. Domino piling

greedy, math, 800, <http://codeforces.com/problemset/problem/50/A>


思路:

- 要么能直接铺满, 要么只差一格, 直接取整就好

代码

```
m, n = list(map(int, input().split()))
print(m * n // 2)
```

代码运行截图 (AC代码截图, 至少包含有"Accepted")


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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
281364708	Practice: Challinlen	50A - 14	Python 3	Accepted	154 ms	16 KB	2024-09-15 17:08:13	2024-09-15 17:08:13		Compare

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```



n, n = list(map(int, input().split()))
print(n * n // 2)


```

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
281319631	Practice: Chaitinlen	1A - 10	Python 3	Accepted	77 ms	20 KB	2024-09-15 10:42:03	2024-09-15 10:42:03	★	Compare


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```
n, m, a = list(map(int, input().split()))
length = n // a
width = n // a
if a % a != 0:
    length += 1
if n % a != 0:
    width += 1
print(str(length * width))
```

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112A. Petya and Strings

implementation, strings, 1000, <http://codeforces.com/problemset/problem/112/A>

思路：


- 转成列表，一个个比较

代码

```
s = list(input().lower())
t = list(input().lower())
for i in range(len(s)):
    if s[i] > t[i]:
        print(1)
        exit()
    if s[i] < t[i]:
        print(-1)
        exit()

print(0)
```

代码运行截图 (AC代码截图，至少包含有"Accepted")

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General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
281374351	Practice: Chaitinlen	112A - 11	Python 3	Accepted	156 ms	28 KB	2024-09-15 18:18:35	2024-09-15 18:18:35	★	Compare


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```
s = list(input().lower())
t = list(input().lower())
for i in range(len(s)):
    if s[i] > t[i]:
        print(1)
        exit()
    if s[i] < t[i]:
        print(-1)
        exit()
print(0)
```

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231A. Team

bruteforce, greedy, 800, <http://codeforces.com/problemset/problem/231/A>

思路：

代码

```
n = int(input())
problems = 0
for i in range(n):
    a, b, c = list(map(int, input().split()))
    if a + b + c > 1:
        problems += 1

print(problems)
```

代码运行截图 (AC代码截图, 至少包含有"Accepted")

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#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
281322527	Practice: Chaitinlen	231A - 11	Python 3	Accepted	186 ms	24 KB	2024-09-15 11:09:18	2024-09-15 11:09:18	☆	Compare

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```
n = int(input())
problems = 0
for i in range(n):
    a, b, c = list(map(int, input().split()))
    if a + b > c > 1:
        problems += 1
print(problems)
```

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2. 学习总结和收获

如果作业题目简单，有否额外练习题目，比如：OJ“计概2024fall每日选做”、CF、LeetCode、洛谷等网站题目。

我在之前学习过基础的C和C++知识，Python略有涉及，在完成了作业与部分每日选做题后，认识到自己还有如下不足：

- 基础数据结构与基础方法掌握不好。对于列表和字符串的部分基本函数、方法的语法掌握不够清晰，部分基础方法（如 `join`、`sort`、`index` 等）运用时易出现语法错误等
- 易忘记考虑边界数据或特殊数据，以后可以在本地测试时编一些特殊数据用于测试
- 循环中删除元素后列表长度变化导致下标越界，需要更习惯于Python风格的 `for i in list`，适当减少对 `range` 函数的依赖

除了这些问题之外，还有很多细节上的、思路上的问题，我将部分问题和注意点记录在了文档里，便于以后参考。

我的github仓库：[2024计算概论学习资料](#)