

if中 并且、或者 的使用

人员

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作业检查

上周作业链接: <https://www.luogu.com.cn/contest/217391>

2024-1130周六15:30

报名

编辑比赛

题目数12

报名人数21

比赛说明

题目列表

排行榜

名次	参赛者	总分	A	B	C	D	E	F	G	H	I	J	K
#1	窦杨子	1200 (18.62h)	100 (49.68min)	100 (50.72min)	100 (52.05min)	100 (1.03h)	100 (1.07h)	100 (1.12h)	100 (1.92h)	100 (1.97h)	100 (2.08h)	100 (2.12h)	100 (2.37h)
#2	王子涵	1200 (18.90h)	100 (49.50min)	100 (51.83min)	100 (53.45min)	100 (58.15min)	100 (1.04h)	100 (1.12h)	100 (1.95h)	100 (2.00h)	100 (2.07h)	100 (2.34h)	100 (2.39h)
#3	王伯安	1200 (19.03h)	100 (47.82min)	100 (49.15min)	100 (50.25min)	100 (1.09h)	100 (1.02h)	100 (1.33h)	100 (1.95h)	100 (1.98h)	100 (2.06h)	100 (2.16h)	100 (2.49h)
#4	张和嘉	1200 (19.10h)	100 (52.07min)	100 (54.15min)	100 (55.48min)	100 (58.58min)	100 (1.02h)	100 (1.11h)	100 (2.02h)	100 (1.94h)	100 (2.16h)	100 (2.37h)	100 (2.39h)
#5	孙鹤轩	1200 (19.21h)	100 (49.35min)	100 (53.27min)	100 (55.97min)	100 (1.03h)	100 (1.14h)	100 (1.26h)	100 (1.93h)	100 (1.97h)	100 (2.06h)	100 (2.36h)	100 (2.39h)
#6	张瑞熙	1200 (19.37h)	100 (50.68min)	100 (52.72min)	100 (55.05min)	100 (1.01h)	100 (1.09h)	100 (1.42h)	100 (1.92h)	100 (1.95h)	100 (2.17h)	100 (2.32h)	100 (2.39h)
#7	张祐嘉	1200 (19.53h)	100 (55.92min)	100 (57.50min)	100 (58.67min)	100 (1.10h)	100 (1.17h)	100 (1.28h)	100 (1.96h)	100 (2.01h)	100 (2.08h)	100 (2.30h)	100 (2.37h)
#8	管怡达	1200 (19.58h)	100 (48.10min)	100 (49.30min)	100 (51.60min)	100 (1.24h)	100 (59.88min)	100 (1.59h)	100 (1.92h)	100 (1.96h)	100 (2.29h)	100 (2.34h)	100 (2.36h)
#9	胡瑾泽	1200 (19.75h)	100 (50.02min)	100 (51.28min)	100 (52.52min)	100 (1.02h)	100 (1.10h)	100 (1.35h)	100 (2.43h)	100 (2.05h)	100 (2.11h)	100 (2.16h)	100 (2.47h)
#10	刘逸	1200 (20.49h)	100 (49.37min)	100 (51.32min)	100 (58.05min)	100 (2.32h)	100 (1.20h)	100 (1.30h)	100 (1.97h)	100 (2.00h)	100 (2.07h)	100 (2.12h)	100 (2.42h)
#11	周尚融	1200 (2.00d)	100 (1.10h)	100 (57.95min)	100 (1.08h)	100 (1.36h)	100 (1.45h)	100 (1.83h)	100 (1.97h)	100 (2.04h)	100 (2.47h)	100 (2.51h)	100 (2.55h)
#12	于马禾祥	1200 (2.19d)	100 (50.23min)	100 (57.98min)	100 (6.66h)	100 (6.55h)	100 (2.40h)	100 (6.88h)	100 (6.97h)	100 (7.14h)	100 (7.07h)	100 (2.17h)	100 (2.45h)
#13	孙以诺	1200 (3.04d)	100 (56.38min)	100 (2.79h)	100 (59.00min)	100 (6.16h)	100 (2.68h)	100 (1.10h)	100 (2.05h)	100 (2.11h)	100 (1.04d)	100 (1.00d)	100 (2.58h)
#14	王梓钧	1200 (9.24d)	100 (17.84h)	100 (17.87h)	100 (17.89h)	100 (18.05h)	100 (18.21h)	100 (18.44h)	100 (18.68h)	100 (18.80h)	100 (18.92h)	100 (19.00h)	100 (19.05h)
#15	王奕辰	1200 (19.35d)	100 (49.03min)	100 (1.32h)	100 (1.28h)	100 (6.20d)	100 (2.44h)	100 (6.23d)	100 (1.97h)	100 (6.21d)	100 (2.26h)	100 (2.19h)	100 (2.39h)
#16	唐敬瑶	1200 (24.86d)	100 (55.50min)	100 (59.63min)	100 (1.05h)	100 (1.34h)	100 (1.64h)	100 (1.91h)	100 (6.32d)	100 (2.12h)	100 (6.33d)	100 (6.33d)	100 (6.33d)
#17	zhaoyao123	1188 (24.86d)	100 (6.19d)	100 (6.20d)	100 (6.20d)	100 (6.27d)	100 (6.27d)	88 (6.28d)	100 (6.28d)	100 (6.28d)	100 (6.29d)	100 (6.29d)	100 (6.29d)
#18	张原宁	1100 (3.91d)	100 (50.35min)	100 (54.08min)	100 (57.83min)	100 (20.61h)	100 (1.04h)	100 (20.72h)	100 (2.03h)	100 (2.45h)		100 (2.39h)	100 (20.85h)
#19	wangwenbo123	900 (24.86d)	100 (6.74d)	100 (6.74d)	100 (6.75d)	100 (6.76d)	100 (6.77d)	100 (6.78d)	100 (6.79d)	100 (6.79d)	100 (6.80d)		
#20	潘奕成	416 (6.56h)	100 (52.80min)	100 (1.04h)	100 (1.13h)		100 (1.40h)		16 (2.11h)				

作业

<https://www.luogu.com.cn/contest/218720>

课堂表现

同学们课上听讲比较认真, 但是纪律有待提升, 部分同学以后要注意自己的上课纪律。

课堂内容

课堂内容

1. 变量的作用域

-> 1 个变量只能在对应的一定范围内使用, 出了这个范围就用不了了

这个变量在哪个大括号内, 就只能在哪个大括号内部用, 外面用不了

2. if (条件1 并且 条件2) {

}

if (条件1 或者 条件2) {

}

并且 -> &&

或者 -> ||

输入一个整数x, 判断它是不是一个大于100并且小于200的整数

```
if (x>100 && x<200) {
```

```
}
```

输入一个整数x, 判断它是不是一个大于200或者小于50的整数

```
if (x>200 || x<50) {
```

```
}
```

输入一个整数x, 判断它是不是一个大于200或者小于50的偶数。

```
if ((x>200 || x<50) && x%2==0) {
```

```
}
```

“并且” / 逻辑与 / and / &&

p	q	p && q
T	T	T
T	F	F
F	T	F
F	F	F

“或者” / 逻辑或 / or / ||

p	q	p q
T	T	T
T	F	T
F	T	T
F	F	F

“否定” / 逻辑非 / not / !

p	!p
T	F
F	T

U510249 谁的年龄大

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    int n;
    cin >> n;
    int ge = n%10, shi = n/10;
    int m = ge*10 + shi;

    if (n > m) {
        cout << n << endl;
    }
```

```
    } else {  
        cout << m << endl;  
    }  
    return 0;  
}
```

U510258 计算密码

```
#include <bits/stdc++.h>  
  
using namespace std;  
  
int main()  
{  
    int n;  
    cin >> n;  
    int qian = n/1000, hou = n%1000;  
  
    if (qian > hou) {  
        cout << n << endl;  
    } else {  
        cout << hou*1000 + qian << endl;  
    }  
    return 0;  
}
```

U510477 六位数是否对称

```
#include <bits/stdc++.h>  
  
using namespace std;  
  
int main()  
{  
    int n;  
    cin >> n;  
    int ge = n%10, shi = (n/10)%10, bai = (n/100)%10;  
    int qian = (n/1000)%10, wan = (n/10000)%10, shiwan = n/100000;  
  
    if (ge==shiwan && shi==wan && bai==qian) {  
        cout << "Y" << endl;  
    } else {  
        cout << "N" << endl;  
    }  
    return 0;  
}
```

U510478 判断能否构成三角形

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    int a, b, c;
    cin >> a >> b >> c;
    if (a+b>c && a+c>b && b+c>a) {
        cout << "Yes" << endl;
    } else {
        cout << "No" << endl;
    }
    return 0;
}
```

U512326 是两位的偶数吗

```
#include <iostream>
#include <iomanip>

using namespace std;

int main()
{
    int n;
    cin >> n;
    if ((n>=10&&n<=99) && n%2==0) {
        cout << "Yes" << endl;
    } else {
        cout << "No" << endl;
    }
    return 0;
}
```

U512324 冷饮的价格 (2)

```
#include <iostream>
#include <iomanip>

using namespace std;

int main()
{
    int n;
```

```
cin >> n;
if (n>=30) {
    cout << fixed << setprecision(1) << n*1.0 << endl;
}

if (n>=20 && n<=29) {
    cout << fixed << setprecision(1) << n*1.2 << endl;
}

if (n>=10 && n<=19) {
    cout << fixed << setprecision(1) << n*1.5 << endl;
}

if (n<10) {
    cout << fixed << setprecision(1) << n*1.8 << endl;
}
return 0;
}
```

U512325 找出最经济型的包装箱型号

```
#include <iostream>
#include <iomanip>

using namespace std;

int main()
{
    int n;
    cin >> n;
    if (n < 10) {
        cout << "A";
    } else if (n < 20) {
        cout << "B";
    } else if (n < 40) {
        cout << "C";
    } else if (n < 50) {
        cout << "D";
    } else {
        cout << "E";
    }
    return 0;
}
```

U510259 扩建鱼塘问题

```
#include <bits/stdc++.h>
```

```
using namespace std;

int main()
{
    int n, m;
    cin >> n >> m;
    if (n > m) {
        cout << n*n - n*m << endl;
    } else {
        cout << m*m - n*m << endl;
    }
    return 0;
}
```

U510261 最多能倒多少杯水

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    int n, x;
    cin >> n >> x;
    int m = n*1000;

    if (m%x == 0) {
        cout << m/x << endl;
    } else {
        cout << m/x + 1 << endl;
    }
    return 0;
}
```

P5711 【深基3.例3】闰年判断

```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    int n; cin >> n;
    if ((n%400==0) || (n%4==0&& n%100!=0)) {
        cout << 1 << endl;
    }
    else {
        cout << 0 << endl;
    }
}
```

```
    }  
    return 0;  
}
```

U512327 大数的平方

```
#include <iostream>  
#include <iomanip>  
  
using namespace std;  
  
int main()  
{  
    int a, b;  
    cin >> a >> b;  
    if (a > b) {  
        cout << a*a << endl;  
    }  
    else {  
        cout << b*b << endl;  
    }  
    return 0;  
}
```

B2049 最大数输出

```
#include <iostream>  
#include <iomanip>  
  
using namespace std;  
  
int main()  
{  
    int a, b, c;  
    cin >> a >> b >> c;  
    if (a>=b && a>=c) {  
        cout << a << endl;  
    }  
    else if (b>=c) {  
        cout << b << endl;  
    }  
    else {  
        cout << c << endl;  
    }  
    return 0;  
}
```