

```
"""
```

日期输出

```
"""
```

```
inputYear = int(input("year:"))
inputMonth = int(input("month:"))
inputDay = int(input("day:"))

monthMap = [
    'January', 'February', 'March', 'April', 'May', 'June',
    'July', 'August', 'September', 'October', 'November', 'December'
]

dayPostfix = ['1st', '2nd', '3rd']

if inputMonth not in range(1, 13):
    print('Error inputMonth\t', inputMonth)
elif inputDay not in range(1, 32):
    print('Error inputDay\t', inputDay)
else:
    d0 = inputDay % 10
    d1 = inputDay // 10
    if d0 in [1, 2, 3] and d1 is not 1:
        if d1 is 0:
            outputDay = '' + dayPostfix[d0 - 1]
        else:
            outputDay = str(d1) + dayPostfix[d0 - 1]
    else:
        outputDay = '{}th'.format(inputDay)
    print('\n{} {}, {}'.format(monthMap[inputMonth - 1], outputDay, inputYear))
```

```
year:1999
month:10
day:1

October 1st, 1999
```

```
Process finished with exit code 0
```

```
"""
```

输出田字格

```
"""
```

```
for i in range(1, 12):
    if i % 5 is 1:
        for k in range(1, 12):
            if k % 5 is 1:
                print('+', end=' ')
            else:
                print('-', end=' ')
        else:
            for k in range(1, 12):
                if k % 5 is 1:
                    print('|', end=' ')
                else:
                    print(' ', end=' ')
            print()
    print()
```

```
+ - - - - + - - - - +
|           |           |
|           |           |
|           |           |
|           |           |
+ - - - - + - - - - +
|           |           |
|           |           |
|           |           |
|           |           |
+ - - - - + - - - - +

Process finished with exit code 0
```

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"""
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判断回文数

```
"""
```

```
n = input('n: ')
if int(n) < 10:
    print(True)
else:
    test = list(n)
    test.reverse()
    if int(''.join(test)) == int(n):
        print(True)
    else:
        print(False)
```

```
n: 123321
```

```
True
```

```
Process finished with exit code 0
```

```
"""
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输出进度条

```
"""
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```
import time
```

```
totalUnit = 43
```

```
intervalTime = 0.07
```

```
for progress in range(0, totalUnit + 1):  
    strProgress = '#' * progress + '-' * (totalUnit - progress)  
    print('\r{:.1f}%\t[{}]\t{:.2f}s'.format(  
        progress * 100 / totalUnit,  
        strProgress,  
        progress * intervalTime  
    ), end='')  
    time.sleep(intervalTime)
```

```
D:\CodeAbout\WHUT\编译原理\exp\venv\Scripts\python.exe D:/CodeAbc  
32.6%  [#####-----]  0.98s
```

```
D:\CodeAbout\WHUT\编译原理\exp\venv\Scripts\python.exe D:/CodeAbou  
100.0%  [#####]  3.01s  
Process finished with exit code 0
```