

```
In [17]: import calendar
year =2022
month =1
print(calendar.month(year,month))
print()

January 2022
Mo Tu We Th Fr Sa Su
           1  2
 3  4  5  6  7  8  9
10 11 12 13 14 15 16
17 18 19 20 21 22 23
24 25 26 27 28 29 30
31

In [19]: import calendar
print(calendar.calendar(4040))

4040

January February March
Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su
           1  2  3  4  5           1  2  3  4           5  6  7  8  9 10 11
10 11 12 13 14 15 16 17 18 19 12 13 14 15 16 17 18 12 13 14 15 16 17 18
16 17 18 19 20 21 22 20 21 22 23 24 25 26 19 20 21 22 23 24 25
23 24 25 26 27 28 29 27 28 29 26 27 28 29 30 31 26 27 28 29 30 31
30 31

April May June
Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su
           1  2  3  4  5  6           1  2  3  4  5  6           1  2  3
 2  3  4  5  6  7  8   7  8  9 10 11 12 13   4  5  6  7  8  9 10
 9 10 11 12 13 14 15 14 15 16 17 18 19 20 11 12 13 14 15 16 17
16 17 18 19 20 21 22 21 22 23 24 25 26 27 18 19 20 21 22 23 24
23 24 25 26 27 28 29 28 29 30 31 25 26 27 28 29 30
30

July August September
Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su
           1  2  3  4  5           1  2  3  4  5           1  2
 2  3  4  5  6  7  8   6  7  8  9 10 11 12   3  4  5  6  7  8  9
 9 10 11 12 13 14 15 13 14 15 16 17 18 19 10 11 12 13 14 15 16
16 17 18 19 20 21 22 20 21 22 23 24 25 26 17 18 19 20 21 22 23
23 24 25 26 27 28 29 27 28 29 30 31 24 25 26 27 28 29 30
30 31

October November December
Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su
 1  2  3  4  5  6  7           1  2  3  4           1  2
 8  9 10 11 12 13 14   5  6  7  8  9 10 11   3  4  5  6  7  8  9
15 16 17 18 19 20 21 12 13 14 15 16 17 18 10 11 12 13 14 15 16
22 23 24 25 26 27 28 19 20 21 22 23 24 25 17 18 19 20 21 22 23
29 30 31 26 27 28 29 30 24 25 26 27 28 29 30
31

In [23]: import calendar
print(calendar.month(2021,7))

July 2021
Mo Tu We Th Fr Sa Su
           1  2  3  4
 5  6  7  8  9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

In [17]: import calendar
print(calendar.month(2021,7,w=10))

July 2021
Monday Tuesday Wednesday Thursday Friday Saturday Sunday
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31

In [9]: import calendar

# Get the name of the weekday for index 0
weekday_name = calendar.day_name[0]
print(weekday_name) # Output: 'Monday'
weekday_name = calendar.day_name[1]
print(weekday_name)

Monday
Tuesday

In [57]: import calendar

# Get the weekday for June 17, 2024
weekday = calendar.weekday(2024, 6, 18)
print(weekday)

1

In [33]: import calendar

# Check if 2024 is a leap year
is_leap = calendar.isleap(2024)
print(is_leap) # Output: True

True

In [35]: print(dir(calendar))

['Calendar', 'EPOCH', 'FRIDAY', 'February', 'HTMLCalendar', 'IllegalMonthError', 'IllegalWeekdayError', 'January', 'LocaleHTMLCalendar', 'LocaleTextCalendar', 'MONDAY', 'SATURDAY', 'SUNDAY', 'THURSDAY', 'TUESDAY', 'TextCalendar', 'WEDNESDAY', 'EPOCH_ORD', '__all__', '__builtins__', '__cached__', '__doc__', '__file__', '__loader__', '__name__', '__package__', '__spec__', '__colwidth__', 'get_default_locale', 'locale', 'localized_day', 'localized_month', 'monthlen', 'nextmonth', 'prevmonth', 'spacing', 'c', 'calendar', 'datetime', 'day_abbr', 'day_name', 'different_locale', 'error', 'firstweekday', 'format', 'formatstring', 'isleap', 'leapdays', 'main', 'mdays', 'month', 'month_abbr', 'month_h_name', 'monthcalendar', 'monthrange', 'prcal', 'prmonth', 'prweek', 'repeat', 'setfirstweekday', 'sys', 'timegm', 'week', 'weekday', 'weekheader']

In [39]: import calendar

# Count leap years between 2000 and 2024
#leap_years = calendar.leapdays(start_year, end_year)
leap_years = calendar.leapdays(2000, 2024)
print(leap_years)

6

In [19]: import calendar

# Get the weekday and number of days for June 2024
first_weekday, num_days = calendar.monthrange(2024, 6)
print(first_weekday, num_days) #month : when it is started and how many days contain

5 30

In [51]: import calendar

# Get a matrix for June 2024
month_matrix = calendar.monthcalendar(2024, 6)
print(month_matrix)
for week in month_matrix:
    print(week)

# Output:
# [0, 0, 0, 0, 0, 1, 2]
# [3, 4, 5, 6, 7, 8, 9]
# [10, 11, 12, 13, 14, 15, 16]
# [17, 18, 19, 20, 21, 22, 23]
# [24, 25, 26, 27, 28, 29, 30]

[[0, 0, 0, 0, 0, 1, 2], [3, 4, 5, 6, 7, 8, 9], [10, 11, 12, 13, 14, 15, 16], [17, 18, 19, 20, 21, 22, 23], [24, 25, 26, 27, 28, 29, 30]]
[[0, 0, 0, 0, 0, 1, 2], [3, 4, 5, 6, 7, 8, 9], [10, 11, 12, 13, 14, 15, 16], [17, 18, 19, 20, 21, 22, 23], [24, 25, 26, 27, 28, 29, 30]]

In [29]: #pending
import calendar

# Set the first weekday to Sunday
calendar.setfirstweekday(calendar.SUNDAY)

# Print the calendar for June 2024
print(calendar.month(2024, 6))

June 2024
Su Mo Tu We Th Fr Sa
           1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30

In [21]: import calendar

year = 2024
month = 6
day = 18
day_of_week = calendar.weekday(year, month, day)
print(day_of_week)
days = ["Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday"]
print(f'{year}-{month}-{day} is a {days[day_of_week]}.')

1
2024-6-18 is a Tuesday.

In [45]: import calendar

# Get the names of the months
for month in calendar.month_name:
    print(month,end=" ")
print("\n")
# Get the names of the days
for day in calendar.day_name:
    print(day,end=" ")

January February March April May June July August September October November December

Monday Tuesday Wednesday Thursday Friday Saturday Sunday

In [ ]:

In [ ]:

In [8]: !pip install pywhatkit

Requirement already satisfied: pywhatkit in c:\users\hp\anaconda3\lib\site-packages (5.4)
Requirement already satisfied: Pillow in c:\users\hp\anaconda3\lib\site-packages (from pywhatkit) (10.2.0)
Requirement already satisfied: pyautogui in c:\users\hp\anaconda3\lib\site-packages (from pywhatkit) (0.9.54)
Requirement already satisfied: requests in c:\users\hp\anaconda3\lib\site-packages (from pywhatkit) (2.31.0)
Requirement already satisfied: wikipedia in c:\users\hp\anaconda3\lib\site-packages (from pywhatkit) (1.4.0)
Requirement already satisfied: Flask in c:\users\hp\anaconda3\lib\site-packages (from pywhatkit) (2.2.5)
Requirement already satisfied: Werkzeug>=2.2.2 in c:\users\hp\anaconda3\lib\site-packages (from Flask->pywhatkit) (2.2.3)
Requirement already satisfied: Jinja2>=3.0 in c:\users\hp\anaconda3\lib\site-packages (from Flask->pywhatkit) (3.1.3)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\hp\anaconda3\lib\site-packages (from Flask->pywhatkit) (2.0.1)
Requirement already satisfied: click>=8.0 in c:\users\hp\anaconda3\lib\site-packages (from Flask->pywhatkit) (8.1.7)
Requirement already satisfied: pymsgbox in c:\users\hp\anaconda3\lib\site-packages (from pyautogui->pywhatkit) (1.0.9)
Requirement already satisfied: pywhatkit in c:\users\hp\anaconda3\lib\site-packages (from pyautogui->pywhatkit) (1.2.0)
Requirement already satisfied: pycreeper>=0.1.21 in c:\users\hp\anaconda3\lib\site-packages (from pyautogui->pywhatkit) (0.1.30)
Requirement already satisfied: pygetwindow>=0.0.5 in c:\users\hp\anaconda3\lib\site-packages (from pyautogui->pywhatkit) (0.0.9)
Requirement already satisfied: mouseinfo in c:\users\hp\anaconda3\lib\site-packages (from pyautogui->pywhatkit) (0.1.3)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\hp\anaconda3\lib\site-packages (from requests->pywhatkit) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\hp\anaconda3\lib\site-packages (from requests->pywhatkit) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\hp\anaconda3\lib\site-packages (from requests->pywhatkit) (2.0.7)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\hp\anaconda3\lib\site-packages (from requests->pywhatkit) (2024.6.2)
Requirement already satisfied: BeautifulSoup4 in c:\users\hp\anaconda3\lib\site-packages (from wikipedia->pywhatkit) (4.12.2)
Requirement already satisfied: colorama in c:\users\hp\anaconda3\lib\site-packages (from click>=8.0->Flask->pywhatkit) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\hp\anaconda3\lib\site-packages (from Jinja2>=3.0->Flask->pywhatkit) (2.1.3)
Requirement already satisfied: pyrect in c:\users\hp\anaconda3\lib\site-packages (from pygetwindow>=0.0.5->pyautogui->pywhatkit) (0.2.0)
Requirement already satisfied: soupsieve>1.2 in c:\users\hp\anaconda3\lib\site-packages (from BeautifulSoup4->wikipedia->pywhatkit) (2.5)
Requirement already satisfied: pyperclip in c:\users\hp\anaconda3\lib\site-packages (from mouseinfo->pyautogui->pywhatkit) (1.8.2)

In [7]: !pip install --upgrade pip

Requirement already satisfied: pip in c:\users\hp\anaconda3\lib\site-packages (24.0)

In [ ]:

Pywhatkit is a Python library that allows you to perform various tasks like sending WhatsApp messages, opening a website, searching something on Google, etc., using a simple function call.

In [31]: import pywhatkit as pwt
pwt.search(" god ganesha")

In [33]: import pywhatkit as pwt
pwt.search("https://www.python.org")

In [35]: import os
os.startfile("C:\\Users\\hp\\downloads\\sitaram.MP3")
```

