

1) Write a Python program to get the current time in Python.

Sample Format : 13:19:49.078205

In [1]:

```
import datetime
print(datetime.datetime.now().time())
```

14:31:23.005431

2) Write a Python program to subtract five days from current date.

Sample Date : Current Date : 2015-06-22 5 days before Current Date : 2015-06-17

In [2]:

```
from datetime import date, timedelta
dt = date.today() - timedelta(5)
print('Current Date : ',date.today())
print('5 days before Current Date : ',dt)
```

Current Date : 2022-06-22

5 days before Current Date : 2022-06-17

3) Write a Python script to display the various Date Time formats.

- a) Current date and time b) Current year c) Month of year d) Week number of the year e) Weekday of the week
- f) Day of year g) Day of the month h) Day of week

In [3]:

```
import time
import datetime
print("Current date and time: ", datetime.datetime.now())
print("Current year: ", datetime.date.today().strftime("%Y"))
print("Month of year: ", datetime.date.today().strftime("%B"))
print("Week number of the year: ", datetime.date.today().strftime("%W"))
print("Weekday of the week: ", datetime.date.today().strftime("%w"))
print("Day of year: ", datetime.date.today().strftime("%j"))
print("Day of the month : ", datetime.date.today().strftime("%d"))
print("Day of week: ", datetime.date.today().strftime("%A"))
```

Current date and time: 2022-06-22 14:33:13.356828
Current year: 2022
Month of year: June
Week number of the year: 25
Weekday of the week: 3
Day of year: 173
Day of the month : 22
Day of week: Wednesday

4) Write a Python program to convert a string to datetime.

Sample String : Jan 1 2014 2:43PM Expected Output : 2014-07-01 14:43:00

In [4]:

```
from datetime import datetime
date_object = datetime.strptime('Jul 1 2014 2:43PM', '%b %d %Y %I:%M%p')
print(date_object)
```

2014-07-01 14:43:00

5) Write a Python program to print yesterday, today, tomorrow.

In [5]:

```
import datetime
today = datetime.date.today()
yesterday = today - datetime.timedelta(days = 1)
tomorrow = today + datetime.timedelta(days = 1)
print('Yesterday : ',yesterday)
print('Today : ',today)
print('Tomorrow : ',tomorrow)
```

Yesterday : 2022-06-21
Today : 2022-06-22
Tomorrow : 2022-06-23

6) Write a Python program to add 5 seconds with the current time

In [6]:

```
import datetime
x= datetime.datetime.now()
y = x + datetime.timedelta(0,5)
print(x.time())
print(y.time())
```

14:36:26.371248

14:36:31.371248

7) Write a Python program to get week number.

Sample Date : 2015, 6, 16

In [7]:

```
import datetime
print(datetime.date(2015, 6, 16).isocalendar()[1])
```

25

8) Write a Python program to drop microseconds from datetime

In [8]:

```
import datetime
dt = datetime.datetime.today().replace(microsecond=0)
print()
print(dt)
print()
```

2022-06-22 14:37:12

9) Write a Python program to get days between two dates.

Sample Dates : 2000,2,28, 2001,2,28

In [9]:

```
from datetime import date
a = date(2000,2,28)
b = date(2001,2,28)
print(b-a)
```

366 days, 0:00:00

10)Write a Python program to get the number of days of a given month and year.

In [10]:

```
from calendar import monthrange
year = 2016
month = 2
print(monthrange(year, month))
```

(0, 29)