

```
In [1]: import datetime
```

```
In [2]: t = datetime.time(4, 20, 1)
# Lets show the different compoenets
```

```
print t
print 'hour  :', t.hour
print 'minute:', t.minute
print 'second:', t.second
print 'microsecond:', t.microsecond
print 'tzinfo:', t.tzinfo
```

```
04:20:01
hour   : 4
minute: 20
second: 1
microsecond: 0
tzinfo: None
```

```
In [3]: print 'Earliest  :', datetime.time.min
print 'Latest    :', datetime.time.max
print 'Resolution:', datetime.time.resolution
```

```
Earliest  : 00:00:00
Latest    : 23:59:59.999999
Resolution: 0:00:00.000001
```

```
In [4]: today = datetime.date.today()
print today
print 'ctime:', today.ctime()
print 'tuple:', today.timetuple()
print 'ordinal:', today.toordinal()
print 'Year:', today.year
print 'Mon  :', today.month
print 'Day  :', today.day
```

```
2018-01-05
ctime: Fri Jan  5 00:00:00 2018
tuple: time.struct_time(tm_year=2018, tm_mon=1, tm_mday=5, tm_hour=0, tm_min=0,
tm_sec=0, tm_wday=4, tm_yday=5, tm_isdst=-1)
ordinal: 736699
Year: 2018
Mon  : 1
Day  : 5
```

```
In [5]: print 'Earliest  :', datetime.date.min
print 'Latest    :', datetime.date.max
print 'Resolution:', datetime.date.resolution
```

```
Earliest  : 0001-01-01
Latest    : 9999-12-31
Resolution: 1 day, 0:00:00
```

```
In [6]: d1 = datetime.date(2015, 3, 11)
        print 'd1:', d1

        d2 = d1.replace(year=1990)
        print 'd2:', d2

d1: 2015-03-11
d2: 1990-03-11
```

```
In [7]: d1
```

```
Out[7]: datetime.date(2015, 3, 11)
```

```
In [8]: d2
```

```
Out[8]: datetime.date(1990, 3, 11)
```

```
In [9]: d1-d2
```

```
Out[9]: datetime.timedelta(9131)
```

```
In [10]: d2-d1
```

```
Out[10]: datetime.timedelta(-9131)
```

```
In [ ]:
```