Working with Datetime

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How do you want to display date and time?

>>> str(date_obj1)
    '2021-07-29 23:15:27.251460'

>>> date_obj1
    datetime.datetime(2021, 7, 29, 23, 15, 27, 251460)

>>> repr(date_obj1)
    'datetime.datetime(2021, 7, 29, 23, 15, 27, 251460)
```

```
>>> date_obj3 = datetime.strptime(date_type3, "%B %d, %Y, %H:%M:%S")
>>> print(date_obj3)
    2021-10-29 23:22:21
>>> date_type4 = "Sun,05/12/21,12:30PM"
>>> date_obj4 = datetime.strptime(date_type4, "%a,%d/%m/%y,%I:%M%p")

>>> date_type5 = "2021-03-22T13:22:21+0700"
>>> date_obj5 = datetime.strptime(date_type5, "%Y-%m-%dT%H:%M:%%z")

T = Literal to separate the date from the time
    z = "zero hour offset" also known as "Zulu time" (UTC).
ISO-8601 is a standard to represent date strings, including time offsets.
```

date type3 = "October 29, 2021, 23:22:21"

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date type6 = "Mon, 22nd March, 2021"
   > date_obj6 = datetime.strptime(date_type6, "%a, %ond %B, %Y")
 >> print(date obi6)
2021-03-22 00:00:0
   from datetime import datetime
  > date integer1 = 2021090908070656
 >> date obj7 = datetime.strptime(str(date integer1), '%Y%m%d%H%M%S%f')
  > print(date obj7)
2021-09-09 08:07:06.560000
>> date integer2 = 1628006829
 date obj7 = datetime.fromtimestamp(date integer2)
>>> print(date_obj7)
2021-08-03 21:37:09
   import pandas as pd
  > print(pd.to datetime(date1))
  2021-07-29 23:15:27.251460
                                      date1 = '2021-07-29 23:15:27.251460'
  > print(pd.to_datetime(date2))
                                      date2 = 'Aug 16 2021 at 01:40AM'
  2021-08-16 01:40:00
                                      date3 = 'October 29, 2021, 23:22:21'
  > print(pd.to datetime(date3))
                                     date4 = 'Sun 05/12/21 12:30PM'
  2021-10-29 23:22:21
                                     date5 = '2021-03-22T23:22:21+0700'
  > print(pd.to_datetime(date4))
                                     date6 = 'Mon, 22nd March, 2021'
  2021-05-12 12:30:00
  > print(pd.to datetime(date5))
  2021-03-22 23:22:21+07:00
  > print(pd.to_datetime(date6))
  2021-03-22 00:00:00
 >> import pandas as pd
  >> date_integer1 = 20210909080706
>>> date obj7 = pd.to datetime(date integer1, format='%Y%m%d%H%M%S')
  >> print(date obj7)
 2021-09-09 08:07:06
>>> date integer2 = 1628006829
```

> date obj8 = pd.to datetime(date integer2, origin='unix', unit='s')

>>> print(date_obj8)
2021-08-03 21:37:09