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| import time  t = time.ctime() print(t) # Mon Aug 30 11:00:18 2021  localtime = time.localtime()  # Abbreviated weekday name result = time.strftime("%a", localtime) print(result) # Monday  # Full weekday name result = time.strftime("%A", localtime) print(result) # Mon  # Full month name result = time.strftime("%B", localtime) print(result) # August  # Abbreviated month name result = time.strftime("%b", localtime) print(result) # Aug |

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| import time  localtime = time.localtime()  # Hour (24hr) possible values 00 - 23 result = time.strftime("%H", localtime) print(result) # 11  # Hour (12hr) possible values 01 - 12 result = time.strftime("%I", localtime) print(result) # 11  # Day of the year possible values 001 -366 result = time.strftime("%j", localtime) print(result) # 242  # Month of the year possible values 01 - 12 result = time.strftime("%m", localtime) print(result) # 08 |

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| import time  localtime = time.localtime()  # %p either AM or PM result = time.strftime("%p", localtime) print(result) # AM  # %w Weekday as decimal number , values from 0 to 6 result = time.strftime("%w", localtime) print(result) # 2  # %x for date representation result = time.strftime("%x", localtime) print(result) # 08/31/21  # %X for time representation result = time.strftime("%X", localtime) print(result) # 11:00:02  # %c date and time representation result = time.strftime("%c", localtime) print(result) # Tue Aug 31 11:00:55 2021  # %y year without date representation, values 00 -- 99 result = time.strftime("%y", localtime) print(result) # 21  # %Y year with century as decimal number result = time.strftime("%Y", localtime) print(result) # 2021  # %Z Time Zone Name result = time.strftime("%Z", localtime) print(result) # India Standard Time |

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| import datetime  # datetime.date(year, month, day)Creates a local date d = datetime.date(2021, 8, 20) print(d) # 2021-08-20 print(d.year, d.month, d.day) # 2021 8 20  # Today date -- returns the locale date print(d.today()) # 2021-08-31 |

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| import datetime  t = datetime.datetime.today() print(t.day, t.month, t.year) # 31 8 2021 print(t.hour, t.minute, t.second) # 14 7 36 print(t.\_\_class\_\_) # <class 'datetime.datetime'> |

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| # from datetime import \* import datetime  #Set Year, Month, Day d = datetime.date(2021, 8, 30)  #Set Hour, Minute t = datetime.time(12,45) dt = datetime.datetime.combine(d, t) print(dt) # 2021-08-30 12:45:00 |

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| from datetime import date import time  d = []  d1 = date(2016, 8, 12) d2 = date(2017, 7, 12) d3 = date(2017, 6, 12) d4 = date(2017, 5, 12)  d.append(d1) d.append(d2) d.append(d3) d.append(d4)  d.sort() # Sort in sequence order   for i in d:  print(i)  Output  2016-08-12  2017-05-12  2017-06-12  2017-07-12 |

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| import time  class Clock:   def d1(self):  try:  print("Starting Clock")  while True:  localtime = time.localtime()  result = time.strftime("%I:%M:%S %p", localtime)  # %M minutes, %S seconds, %I Hour(12hr), %p AM or PM  print(result)  time.sleep(1)  except KeyboardInterrupt:  print("Stopping Clock")  c = Clock() c.d1()  Output  Starting Clock  02:26:55 PM  02:26:56 PM  02:26:57 PM  02:26:58 PM  Stopping Clock |

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| # Not to explain  import datetime  #Orginal date t = datetime.datetime.today() print(t)  #Replace date start = t.replace(year=1991, month=4, day=13) print(start)  end = datetime.datetime(year=2021, month=8, day=31) print(end)  d = end - start print(d.days) # days is a property , 11097 |