#Задание 1

from datetime import \*

data=['2018-01-01', '2018-01-06']

def date\_range(startDate, endDate):

startDate=datetime.strptime(startDate,"%Y-%m-%d")

endDate=datetime.strptime(endDate,"%Y-%m-%d")

currentDate=[startDate]

while currentDate[-1]<endDate-timedelta(days=1):

currentDate.append(currentDate[-1]+timedelta(days=1))

for i in range(len(currentDate)):

currentDate[i]=currentDate[i].strftime("%Y-%m-%d")

return currentDate[1]

print(date\_range(data[0],data[1]))

#Задание 2

from datetime import \*

data=['2018-01-07', '2018-01-06']

def date\_range(startDate, endDate):

try:

startDate=datetime.strptime(startDate,"%Y-%m-%d")

endDate=datetime.strptime(endDate,"%Y-%m-%d")

if startDate>endDate: return []

else:

currentDate=[startDate]

while currentDate[-1]<endDate-timedelta(days=1):

currentDate.append(currentDate[-1]+timedelta(days=1))

#convert to date format

for i in range(len(currentDate)):

currentDate[i]=currentDate[i].strftime("%Y-%m-%d")

except: return []

return currentDate[1:]

print(date\_range(data[0],data[1]))

#Задание 3

from datetime import \*

stream = ['2018-04-02', '2018-02-29', '2018-19-02']

def dateCheck(stream):

result=[]

for i in range(len(stream)):

try:

datetime.strptime(stream[i],"%Y-%m-%d")

result.append('True')

except:

result.append('False')

return result

print(dateCheck(stream))

#Задание 4

from datetime import \*

def dateGet():

currentDate=datetime.date(datetime.today())-timedelta(days=1)

#Check up for any date you want

#currentDate=date(2019, 3, 1)

#currentDate= currentDate-timedelta(days=1)

spisokDate=[currentDate]

while currentDate.month==spisokDate[-1].month:

spisokDate.append(spisokDate[-1]-timedelta(days=1))

#convert to date format

for i in range(len(spisokDate)):

spisokDate[i]=spisokDate[i].strftime("%Y-%m-%d")

spisokDate.reverse()

return spisokDate[1:]

print(dateGet())

#Задание 5

from datetime import \*

def returnDate(word):

currentDate=datetime.date((datetime.now()))

#Check up any date

#currentDate=date(2019, 3, 4)

if word == 'today':

return currentDate

if word == 'last monday':

if currentDate.weekday()==0: return currentDate-timedelta(days= 7)

else: return currentDate-timedelta(days= currentDate.weekday())

if word == 'last day':

return currentDate.replace(month=currentDate.month+1, day=1)-timedelta(days=1)

else: return 'Error'

print('Input:\ntoday\nlast monday\nlast day\n')

print(returnDate(input()))