Calculate Number of Days, Weeks, or Months to Reach Specific Goals

How to find number of days in the current month?

calendar.monthrange(year, month) returns weekday (0-6 ~ Mon-Sun) and number of days (28-31) for year, month.

>>> import calendar

>>> print calendar.monthrange(2012,1)[1]

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>>> calendar.monthrange(2012,2)[1]

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**Edit**: updated answer to return the number of days of the current month

>>> import calendar

>>> import datetime

>>> now = datetime.datetime.now()

>>> print calendar.monthrange(now.year, now.month)[1]

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import datetime

import calendar

balance = 10000

interest\_rate = 13 \* .01

monthly\_payment = 1000

today = datetime.date.today()

days\_in\_current\_month = calendar.monthrange(today.year, today.month)[1]

days\_till\_end\_month = days\_in\_current\_month - today.day

start\_date = today + datetime.timedelta(days=days\_till\_end\_month + 1)

end\_date = start\_date

while balance > 0:

interest\_charge = (interest\_rate / 12) \* balance

balance += interest\_charge

balance -= monthly\_payment

balance = round(balance, 2)

if balance < 0:

balance = 0

print(end\_date, balance)

days\_in\_current\_month = calendar.monthrange(

end\_date.year, end\_date.month)[1]

end\_date = end\_date + datetime.timedelta(days=days\_in\_current\_month)

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import datetime

current\_weight = 220

goal\_weight = 180

avg\_lbs\_week = 2

start\_date = datetime.date.today()

end\_date = start\_date

while current\_weight > goal\_weight:

end\_date += datetime.timedelta(days=7)

current\_weight -= avg\_lbs\_week

print(end\_date)

print(f'Reached goal in {(end\_date - start\_date).days // 7} weeks')

import datetime

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import math

goal\_subs = 150000

current\_subs = 85000

subs\_to\_go = goal\_subs - current\_subs

avg\_subs\_day = 200

days\_to\_go = math.ceil(subs\_to\_go / avg\_subs\_day)

today = datetime.date.today()

print(today + datetime.timedelta(days=days\_to\_go))