How many days till a certain date? Search

1. How much days left from today to given date - 0.918504

```
diff = future - today
print diff.days
```

2. How to generate range of dates: every day of a given year? - 0.8982979

```
from datetime import datetime, timedelta

def gen_days( year ):
    start_date=datetime( year, 1, 1 )
    end_date=datetime( year, 12, 31 )
    d=start_date
    dates=[ start_date ]
    while d < end_date:
        d += timedelta(days=1)
        dates.append( d )
    return dates

if __name__=='__main__':
    d=gen_days( 2015 )
    print len(d)
    d2=gen_days( 2016 ) # leap year
    print len(d2)
```

3. How to count the weeks between specific week numbers? - 0.89360774

```
>>> d = {'Mali': [17, 16, 23, 18, 17, 16, 17, 18, 16],
 'Gooki': [7, 8, 8, 15, 7, 7, 8],
 'Piata': [85],
 'Samoo': [47, 63, 48, 58, 49, 48],
 'Goerge': [82],
 'Samoo': [106, 55],
 'Marria': [101,39]}
>>> dict((name, max(weeks) - min(weeks) + 1) for name, weeks in d.iteritems())
{'Samoo': 52, 'Gooki': 9, 'Mali': 8, 'Goerge': 1, 'Piata': 1, 'Marria': 63}
```

4. How to calculate next Friday at 3am? - 0.8859391

```
import datetime

_3AM = datetime.time(hour=3)
_FRI = 4 # Monday=0 for weekday()

def next_friday_3am(now):
    now += datetime.timedelta(days=7)
    if now.time() < _3AM:
        now = now.combine(now.date(),_3AM)
    else:
        now = now.combine(now.date(),_3AM) + datetime.timedelta(days=1)
    return now + datetime.timedelta((_FRI - now.weekday()) % 7)

if __name__ == '__main__':
    start = datetime.datetime.now()
    for i in xrange(7*24*60*60):
        now = start + datetime.timedelta(seconds=i)
        then = next_friday_3am(now)
        assert datetime.timedelta(days=7) < then - now <= datetime.timedelta(days=14)
        assert then.weekday() == _FRI
        assert then.time() == _3AM
```

5. How to get all days in current month? - 0.8849009