



Python Exercises

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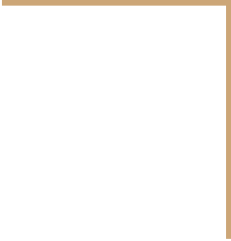





PyEphem

<http://rhodesmill.org/pyephem/index.html>





```
>>> import ephem
>>> delhi = ephem.Observer()
>>> delhi.lon = '77.198'
>>> delhi.lat = '26.60389'
>>> delhi.elevation = 216
>>> delhi.date = '2018/6/15 20:00:00'
```



Let's find if Moon is visible on
Eid. 15 June ???

```
>>> delhi.date = '2018/6/15'  
>>> moon = ephem.Moon()  
>>> moonset = delhi.next_setting(moon)  
>>> print(ephem.localtime(moonset))
```

What about Karwa Chauth?

28 Oct 2018

Whats the moon phase?

```
>>> delhi.date = '2018/10/28'  
>>> moon.phase  
>>> moonrise = delhi.next_rising(moon)  
>>> print(ephem.localtime(moonrise))
```



What does it mean for something
to Rise or Set?



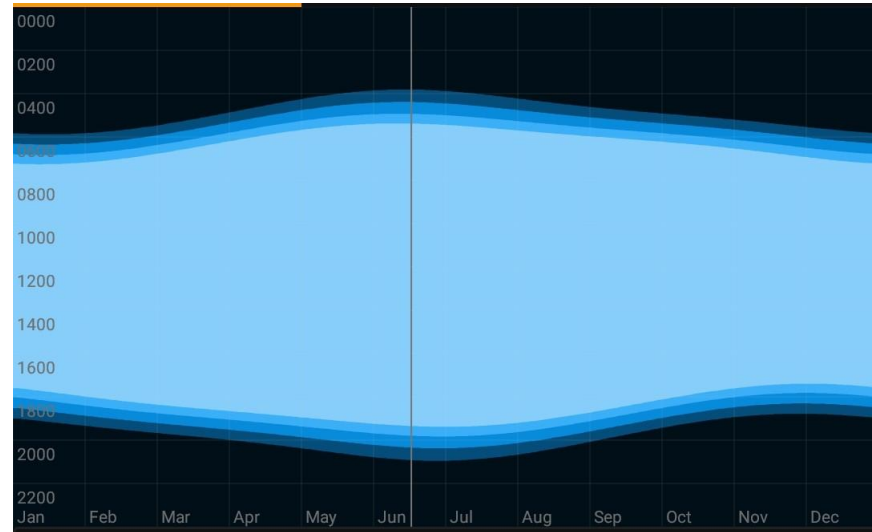
Plot the altitude of “M45”

How about and “Kochab” star

While you are at it. Try out
Polaris.

Draw Saptarishi!!

Plot the length of the day for the whole year



Plot a Jovian Spiral

