1. Write a function called middle that takes a list and returns a new list that contains all but the first and last elements.
   For example:
   >>> t = [1, 2, 3, 4]
   >>> middle(t)[2, 3]

2. Write a function called chop that takes a list, modifies it by removing the first and last elements, and returns None.
   For example:
   >>> t = [1, 2, 3, 4]
   >>> chop(t)
   >>> t[2, 3]

3. Write a function called is_sorted that takes a list as a parameter and returns True if the list is sorted in ascending order and False otherwise.
   For example:
   >>> is_sorted([1, 2, 2])True
   >>> is_sorted(['b', 'a'])False

4. Write a Python program to display a calendar month for anygiven month between January 1800 and December2099. The format of the month should be as shown


```
MAY 2012

Sun   Mon   Tues   Wed   Thur   Fri   Sat

             1      2      3      4     5
 6    7      8      9     10     11    12
13   14     15     16     17     18    19
20   21     22     23     24     25    26
27   28     29     30     31
```

5. Consider the list
   names =['resmelts','sweeter','manifesto','deltas', 'year',
   'match','wonderful','here','generating', 'stated','staled', 'desalt', 'ternaries', 'where', 'lasted',
   'slated','balance', 'retainers','cat', 'greatening', 'ant','smelters','word', 'salted','vitality',
   'termless']
   Write a program that prints all the sets of words that are anagrams.

6. Consider the following matrix:
   [[1,4,5,6],
    [6,9, 1, 8],
   [9,4,3,1]]
   Write a python program that returns all possible submatrices with sum of the elements = 15