January 2015

23 Friday

wk - 4

Appointments

Left Rotate Array By D Elements Places.

For example

arr = [2, 7, 1, 3, 4].

Lft Rotate the array by 2 elements

So what it does is ita for the first round it takes first element & puts it last

like 2,

7, 1, 3, 4, 2.

For the 2nd round it takes the current 1st element & puts it last like

1, 3, 4, 2, 7

Notice a pattern here.

[2, 7, 1, 3, 4]
0 1 2 3 4

First Step

[7, 1, 3, 4 2]

2nd Step

[1, 3, 4, 2, 7]

5th = Total Length Of the array

[2, 7, 1, 3, 9] Returns to same position

January

M T W T F S S M T W T F S S
12 13 15 16 17 19 20 21 22 23 24 25 26 27 28 29 30

24 Saturday

January 2015

wk - 4

Appointments

if (k/d > Lenght of an array). for a array

For example — 10 cycles (2, 7, 1, 3, 4)

then it returns to same place

5 cycles + 5 cycles

In 5 cycles it returns to same

if they give a biggu no. than lenght of the array itself

we can exclude the redundent cycles by putting the condition [K = K % size]

For (ex) - k = 10 % 5 = 0 so we can return the array, so need to it self

25 Sunday

Pseudo code

```
for(int i=0; i<k
if(K>size)
  { K=K%size; }
for(int i=K; i<size; i++)
{ a2[j] = a1[i]
    j++ }
for(int i=0; i<size
for(int i=0; j++)
  { j++
    a2[j] = a1[i]; }
```

Neo array a2
Origenal array a1.
int j = 0

This pushes the remaining elements other than the elements to be rotated forward

This makes sure

January

M T W T F S S M T W T F S S
9 10 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28