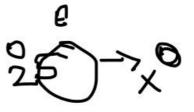# Day 4 - Revision

Saturday, 16 October 2021   9:00 PM

Problem 1:
Take N as input. Print the sum of its odd placed digits and sum of its even placed digits.

1 2 3 4 5

N = 54873   1   3   5

Odd Placed = 5 + 8 + 3 = 16
Even Placed = 4 + 7 = 11

Int num = 54873; % 10 = 3
          54873 / 10 = 5487
          5487 % 10 = 7
          5487 / 10 = 548
1 → 0   548 % 10 = 8

5 8 7 3 → O or E

3 7 8 4 5 → 1st odd

O 2 → E → x O

↓
RON

Problem 2:
Number Pattern
N = 4; 5

1   1
2 3   2
4 5 6   3
7 8 9 10
11 12 13 14 15

```
Int num = 5;
                    5
Int start = 1;              -> j=2
For(int j = 1; j <= num ; j++) {
     For(int k = 1; k <= j; k++) {
            System.out.print(k);
     }
}
```

1 2   X
1 2
1 2 3
1 2 3 4

1   2   1
1   2   2   1
1   2   3   2   1
1   2   3   4   3   2   1

     2   1
              2   1
2X   1   3   2   1
     0   4   3   2   1