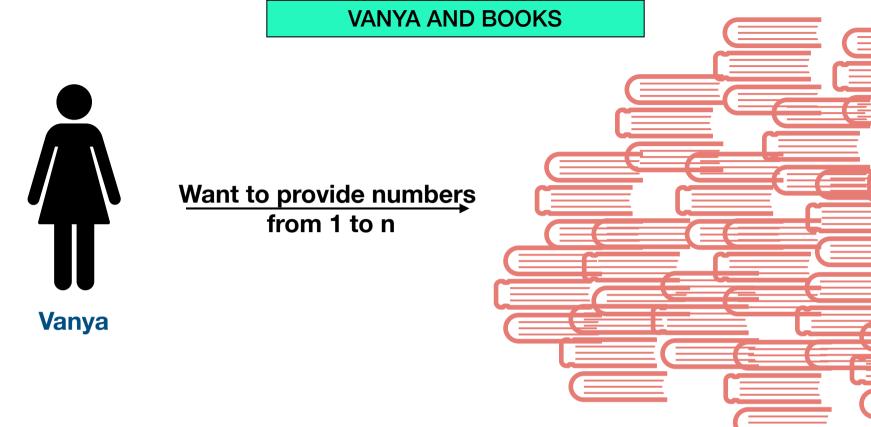
"Vanya and Books"

BOOKS

(Codeforces)



By Prince Agarwal
[" Hello World "]



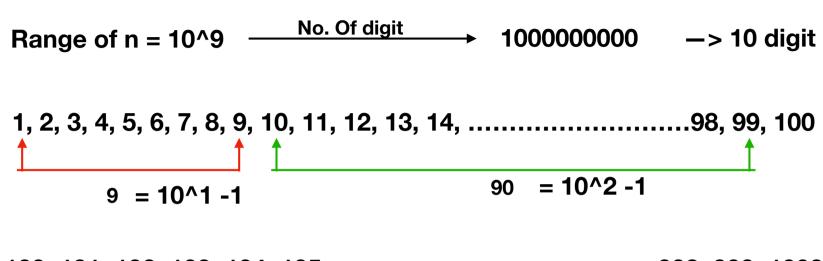
Let say, She has total books = 13

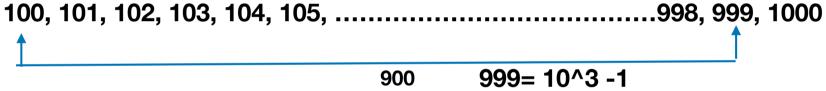
Numbering be like,

Single = 9 Double = 4*2 = 8

= Total = 17.

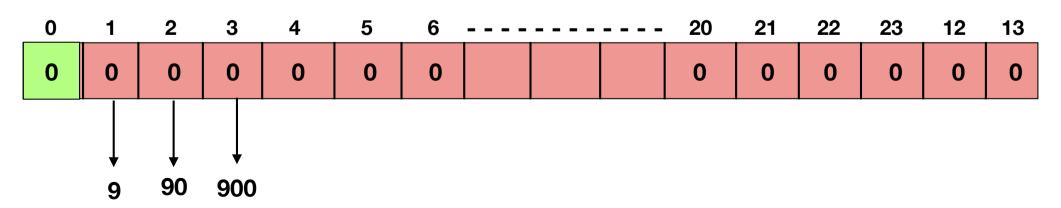
VANYA AND BOOKS





Now, come to solution,

Make an array



VANYA AND BOOKS

_	0	1	2	3	4	5	6	 	20	21	22	23	12	13
	0	9	90	900	9000	90000	9000000		0	0	0	0	0	0

Take an example : n= 13 → Double digit = 4

Single digit = 9

Int count
$$= 0$$
;

If
$$(n - a[i]) >= 0$$

Else

$$13-9=4$$
;

Count =
$$9*1=9$$

$$n=4$$

Count =
$$4*2=8$$

Total = 17

VANYA AND BOOKS

_	0	1	2	3	4	5	6	 	20	21	22	23	12	13
	0	9	90	900	9000	90000	9000000		0	0	0	0	0	0

Int count = 0;

If (n - a[i]) >=0

Count += a[i]*i;

n= n - a[i]

Else

Count += n*i;

Take an example : n= 233

Triple digit = 134

Double digit = 90

Count =
$$9*1=9$$

Count =
$$90*2=180$$

$$count = 134*3 = 402$$

$$Total = 591$$

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" If you feel any problem then comments in my video I will reply as soon as possible "

- Prince Agarwal