

Leefcode Problem

OAdd digit (#258)

e.g () 27 2+7=9 10 6 2

Ans= $0^{2+6}=8$ Ans= $0^{2+6}=8$ $0^{2+6}=$

111 249

2+4+9=17

we need single digit ans only.

int num; while (num >9)

int num, ans=0, rem; while (num!=0)

> σem = num /.10; num = num /10; ans = ans + σem;

> > num = ans

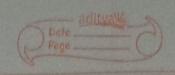
cout << 9ns;

(2) leap year (usu) O year which divides by 1600 400 then that year 1700 X is leap year. 1800 X (11) year which divides by 1900 X A but not with 100. 2000 V is also Leap year. 2004 V int year if (year 1.400 == 0) cout << "leap year"; else if (year 1, 4 == 0 & & year 1,100 1=0) else couter "Not leap year"; 3 Reverse Integer 0 ip = 234 0 ip 476 01p = 432 01p 674 vem = 234%10=4 cins: 0 Tem + aff ans = ansxio+ rem : Oxiotus 4 = 4x10+3 = 43

= 43710+2 = 432.

9

int ansso, sem, while (num >0) intansso, sem; rem: num 10; 4-last digit. num : num/10; + ans: ansxib+rem; contecans: integer overflow INT_MAX MIM_TMI ansx10+ rem > INT_MAX ans > INT_MAX-rem ans > INT_MAX if (ans > 1 N7_MAX) return 0; ansx10 + rem < INT_MIN if (ans < INT-MIN) returno;



(4) power of 2

 $2 \rightarrow 2$ yes $2^2 \rightarrow 4$ yes 8 yes

15 -> NO

0

num<1 < NO + negative number.

31

16 - 10000 < 2

32 100000-2

11) 2

8

16 64

32

divide num by Dower of 2, till num exided or reached that num.



enhile (x != 1)

if(xx2==1)

return 0;

X /= 2;

3

return 1;

5) 598t X

4-2/16

J25 -> 5

nlo

7(10

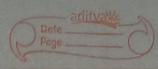
- 3

- 31

8

100

961116



6) Pallindrome. -> same while (num co) rem=numy.10; num = num/10; ons = gen ansxio + rem; if (x== ans) return 1 if (ans > INT_MAX | ans < INT_MIN return o;



7 Complement of a no

. 2	27	vem	
2	13	20	0
2	6	1 0 2'	6
2	3	0/1/22	4
2	1	1/0 23	0
	0	11. 24	0
			(4)

2	13	Vem	
2	6	1-000	6
2	3	0 - 1 - 2'	2
2	1	1/0 22	0
	0	1 23	0
	1		(2)

