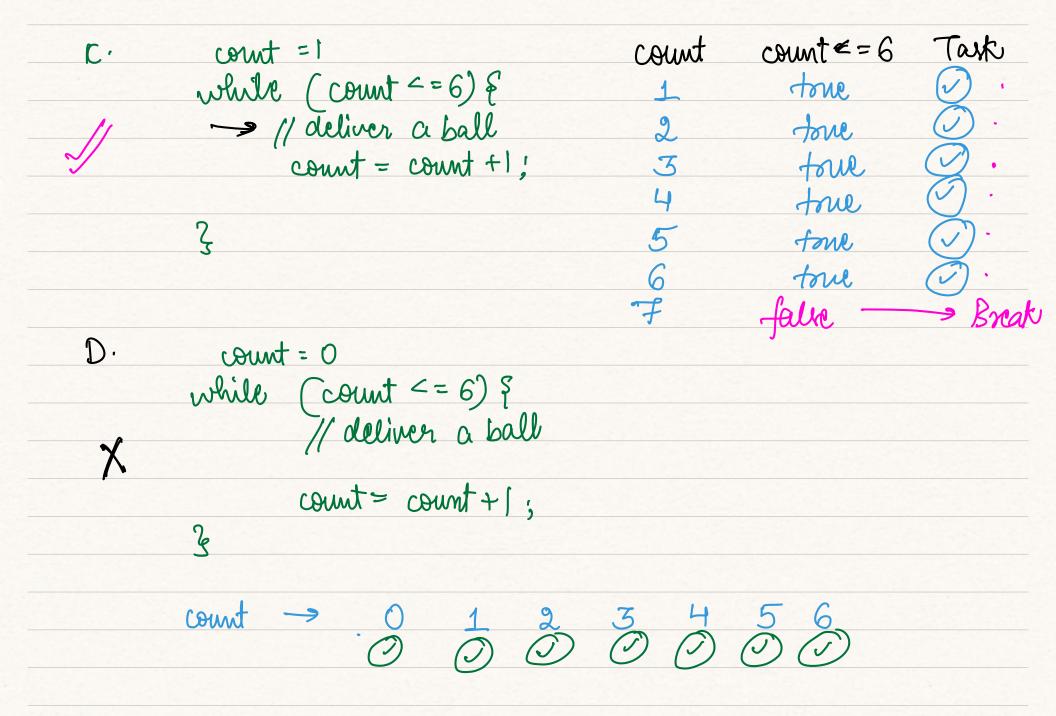
Loop for bowling all balls of an over

A.	count = 1			
\	vehille (count < 6) }	count	count < 6	Tark
X		1	tore	Ø.
	//deliver a ball	2	tone	Ø ·
	count = count +1	3	true	
	2	4	tous	Ø.
	3	5	torre	✓ ·
		6	folke -	-> Breek
ß.				
	count =)			
	while (count <=6) {	count	count ≤ 6	Tark
X	1/ deliver a ball	1	true	
	}	1	torie	
	(deliver infinite balls)	<u>,</u>		
		,		



- 1 initialise
- 2 condition
- 3 Tark to be repeated
- (4) updation

initialise

while (condition) ?

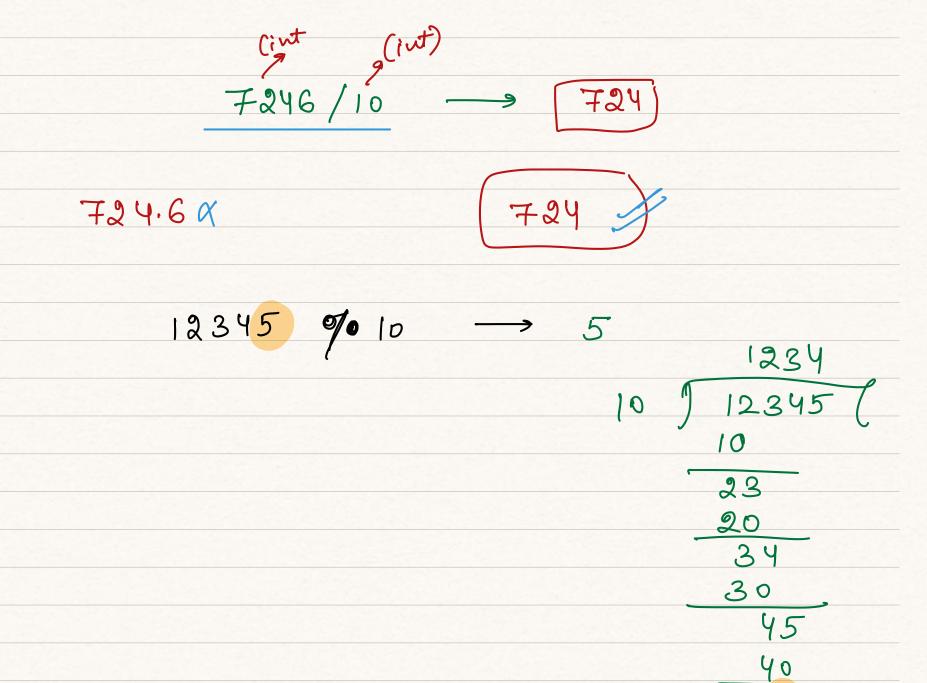
// tack

1/ updation

4

positive integer find its last digit. Given N ans 9105 10000 17543 last digit = n % 10

$$\frac{1643}{10} = \frac{(1640 + 3)}{10}$$



Ques. Given an integer N, point all the digits from sight to left

N = 6397

936

N = 420

0 2 4

N = 1051

1 5 0

$$6397\% 10 = 7$$
 $6397\% 100 = 97$
 $6397\% 1000 = 397$
 $6397\% 10000 = 6397$

1) get l'art digit (n % 10)
2) Point last digit
3) divide n by 10 (n/10)

while
$$(m > 0)$$
 { $m = 912$ }

int digit = $m \% | 0;$ digit = $912 \% | 0 = 2$
 $5 \cdot 0 \cdot 9 \ln (\text{digit});$ $m = 912 / 10$

3

 $m = 91$

Output 3

 $m = 91 / 10$
 $m = 91 / 10$
 $m = 91 / 10$
 $m = 91 / 10$

 $\gamma = 0$

Given a integer, point the sum of all its digits. 6+2+3=11 N = 623 N = 1001 1+0+0+1=2 8+1+4+2 = 15 0142 N = Sum= 0 (N0/010) int N = Scn. next Int (); int sum = 0; N N>0 digit sum N=N/10 683 true 3 0+3=3 68 while (N >0) } 8 3+8=11 68 touc 6 toue 6 11+6=17 0 0 false > Br int digit = N % 10; > Break Sum = Sum + digit; N = N/10;S.O.P (sum);

Given a positive integer, point all the perfect squakes till N. → whose Square soot is a complete integer 125 2 (Imput) N = 20 (Output) - 1 16 N = 50 16 25 36 49 9 N = 10

int n = 10;	ů	i <= m	Output	6+4
înt i = 1;	1	tone	1	2
	2	Joure	4	3
while (i <= n) &	3	true	9	4
	4	fore	16	5
SO.P (i*i);	5	tall	25	6
	6	force	36	7
î++;	7	torre	49	8
	8	tone	64	9
Š	9	tous	81	10
	10	true	100	11
	11	falk		Break
Output >> 1 4 9 16	25 3	36 49 6	4 81 100	

i *i <= 10 Output i++ int n = 10; int i = 1; 1*1 <= 10 [tow] 242 <= 10 [toue] 4 while (i * i <= n) & 3#3 4= 10 [toue] 9 444<=10 [false] ---> Break SO.P (i*i); 16=10 :++;

Multiple Test Cares	
3 Text Cases	5 Test Cares
5-0	am; 1
1239	4
490	0
1999	9
165	5

Ques. Take T (number of test cares) as input.

for each test care take integer N as input and Print Sum of digits.

Input ->
2 --> T [number of text cares]

631 -> Text care 1

1502 -> Text care 2

Output \Rightarrow 6+3+1 \Rightarrow 10
1+5+0+2 \Rightarrow 8

take input and point its sum of digits

Z

```
int t = scn. next Int ();
} (o< t) slider
       // work -> take input and proint scum of digits
             int n = Sch. next Int ();
             ind sum = 0;
            if (m <0) {
                 M= m*(H):
             while (n >0) {
                 int digit = n %010;
                  Sum = Sum + digit;
                  m = n/10;
```

A B

$$(2)^3 \to 8$$

$$(2)^3 \rightarrow 2 \times 2 \times 2$$

$$(3)^{2} \rightarrow 3 \times 3$$

multiply A B times

```
A =2
int ans = 1;
înt î = 1;
 while ( : <= B) &
        ams = ams * A;
                                Output (2) 4
        2++3
     01.
            ° <= 4
                      ans itt
           tone
                     2 * 2
          tous
                     27272 4
           town
                    2+2+2*2 5
           tous
           false
                             Break
```

ans = $2 + 2 + 2 + 2 = (2)^4 = 16$