```
int i = 1;
          while (1 2=10)d
            i= i xii
Sop(i);
             (++)
                                    26 F -> out of loop
                                         1, 4, 25
Q > Bowl balls of an over in cricket
Most significant bit 688 -> 8

Most significant bit 688 -> 8
                  6387 = 6000 + 300 + 80 + 7
6380 \rightarrow 109
6380 \rightarrow 109
                      6387 \% 10
6380
7 \rightarrow 7
416 = 900 + 10 + 6
911
-90
10
10
6387 \% 10
-916 \rightarrow divident
-90
-10
10
620
                               916 1/10 -> 6.
```

1) take modulo. by 10 profit 938 Ox 27 di ide the number by 10. M= 6381 n 0>0 q olb == 0/10; Yai n = sc. next Int (); $6381 \pm 1 \pm \frac{638}{1}$ while (p >0) d int d = n 1/2 10; 638 T 8 8 soped); 63 T 3 <u>3</u> 4 D=0/10; 6 T 6 6 O F -> come out of while 9 > Gruen n. print sum of all digits. intn = Sc-nextIntc); int sum = 0)

int n = sc - next T n + C); int n = sc - next T n + C); int sum = 0)

while (n > 0) (638) T | 638

int d = n < (0) (638) T | 638

sam = sum + d n = n | 10 | 63 T 3 | 12 6 n = n | 10 | 63 T 6 | 18 T 7 | 18 T 8 |

sill neur end; infinite hop // break 10:30 11 -> . 6789 H.M solving problem using while loop while lusp as a Concept N= 34562 while (N7=0)(-T N=34562 N7=0

N=N(10)

Count # -> count.

345 Lount = 0 sop (wont); 611070 the lool only shop QE) Given a number n, print perfect squares. from 1 to n. Is square root of that

number is a complete integer 1

```
P. B-N
         N = 50 ( 1, 4, 9, 16, 25, 36, 49) 50
      N= 100 -> 1, 4, 9, 16, 25, 36, 49, 64,8,, 100
  int i=1) = N=(8 \rightarrow 1, 4, 9, 16) sq.
   50PC197
      y iti
                      3 T 9 4
                     \frac{16}{5}
\frac{5}{5}
\frac{7}{7}
\frac{25}{49}
\frac{6}{8}
                       18
                       59 59 CED 59 010 1H
2> intici; N=18
                     1.7 59 = 0;
  while (-59 1= 1) }
    Sq= (xi) X
```

int i=1

while (
$$(i \times i^2 z = n)$$
)

sop($i \times i$)

1

 $i \times i z = n$
 $i \times i z = n$

Multiple tertecoses | multiple ilps

B > print the last digit of each number in alway be fish 1/p $\begin{array}{c|c} () & 1 & 21 & \longrightarrow & 1 \\ (2) & 344 & \longrightarrow & 4 \\ 366 & \longrightarrow & 6 \\ \hline 786 & \longrightarrow & 6 \end{array}$ while (T>0) d

while (T>0) d

int num = sc.next IntO;

ubmost Sop(num-1-10);

sop(num-1-10);

121-13

123-145-15 more number tak lunnamber X num 121

3
$$T$$
 123 3 2
2 T 445 5 1
 G T \rightarrow 667 T O F \rightarrow odd of loop G .

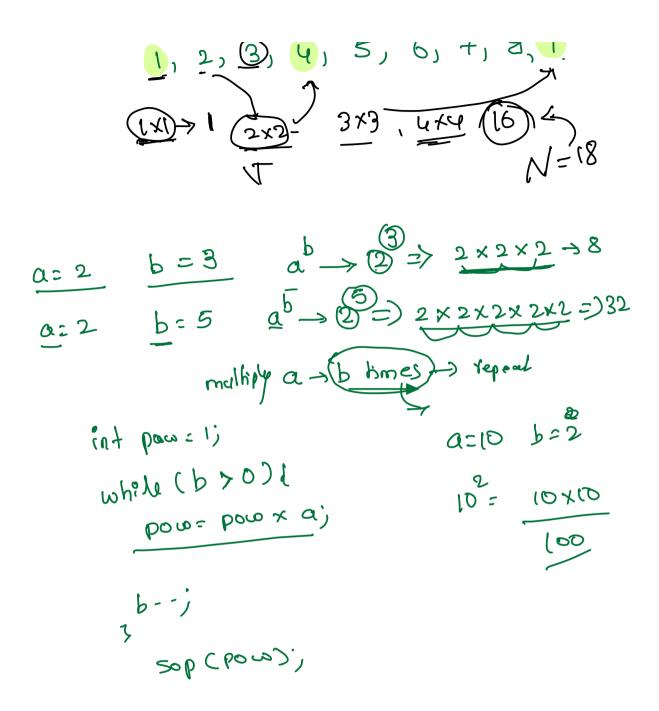
Donly

Perfect square number

$$\sqrt{9} \rightarrow 3.25$$
 $\sqrt{9} \rightarrow 3$

Perfect number

 $\sqrt{10} \rightarrow 3.25$
 $\sqrt{10} \rightarrow 3.1.x$
 $\sqrt{10} \rightarrow 2$
 $\sqrt{10} \rightarrow 2$
 $\sqrt{10} \rightarrow 2$
 $\sqrt{10} \rightarrow 2$
 $\sqrt{10} \rightarrow 2$



https://www.interviewbit.com/snippet/68e8ede1f73fe5d3257d/