Revision.

while loop.

while (condn)

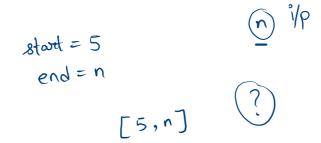
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### Printing 5 to N(While Loop)

Problem Submissions Leaderboard Discussions

WAP to print numbers from 5 to n(using while loop) where n is taken as input from the user using while loop.



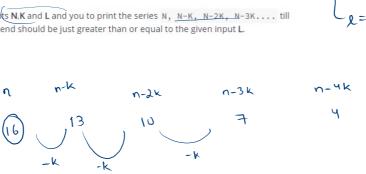
```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    int i = 5;
    while(i <= n){
        System.out.println(i);
        i++;
    }
}</pre>
```

# Print n, n-k, n-2k, n-3k.... till 1

Problem Submissions Leaderboard Discussions

You will be given three integer inputs N,K and L and you to print the series N, N-K, N-2K, N-3K.... till last where the value printed in the end should be just greater than or equal to the given input L.



```
public static void main(String[] args) {
   Scanner scn = new Scanner(System.in);
   int n = scn.nextInt();
   int k = scn.nextInt();
   int l = scn.nextInt();
   while(n >= 1){
       System.out.println(n);
```

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#### Running product while loop.

Imagine you are a math teacher and one of your students, Maria, is struggling with understanding how to find the **running product** of a series of integers. You decide to give her a problem to work on as practice.

The problem is as follows: Maria will be given a <u>series of n integers as input</u>, she has to print the product after she take input of an integer each time.

For example, if the series of integers is 3, 4, 5, 6 the output should be 3, 12, 60, 360 Maria is a little bit confused at first, but with your guidance and some careful practice, she is eventually able to understand and solve the problem successfully.

```
int n = scn.nextInt();

int ans = 1;

int i = 1;

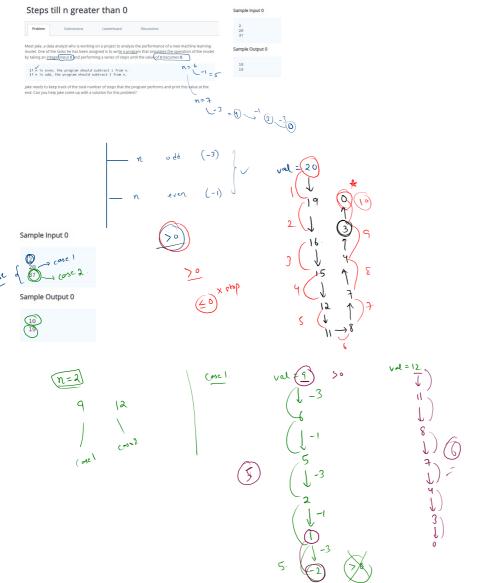
while (i <= n) {

int val = scn.nextInt();

ans = ans * val;

System.out.print(ans + " ");

} val = 12 val = 2 val = 4 val = 4
```





## nth power of 10 using while loop

Problem

Submissions

Leaderboard

Discussions

A programming task was assigned to a beginner named Emily. The task was to take an integer input n and print the nth power of 10 integers as an output. Emily successfully completed the task by taking the input value of **n** and using it to access the desired element of the sequence.

N=3

N=0

n=2

$$Q_3 = (0)$$

Sample Input 1

Sample Output 1



Sample Input 2

2

Sample Output 2



Sample Input 3



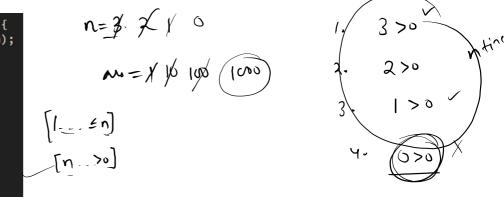
Sample Output 3



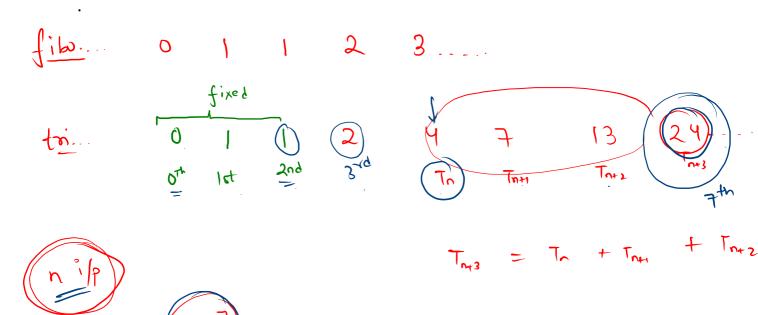
```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    int ans = 1;

    while(n > 0) {
        ans *= 10;
        n--;
    }
    System.out.println(ans);
}
```



### Print nth Tribonacci number



```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();

    int a = 0;
    int b = 1;
    int c = 1;

    int i = 0;

    while(i < n) {
        int d = a + b + c;
        a = b;
        b = c;
        c = d;

        i++;
    }

    System.out.println(a);
}</pre>
```

```
1=1
         (=0
                                     246
                                     d=7
                                (=4
                    i=3
d=2
                    3<6
                                 d = 24
                     d= B
   j= 5
```

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