

Sample Input 0

geekster

Sample Output 0

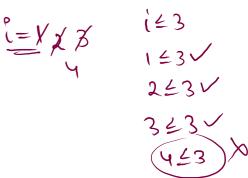


.charAt(i).



gdd kster 9 de e k 8 s t e 8 9 1 2 3 4 5 6 7 8 for (char ch = 'a'; ch \(\pm \) (ch)

Syso(ch)



```
public class Main

public static void main(String[] args) {
    int i = 1;
    for( ; i <= 3; ){
        System.out.println(i);
        i++;
    }

System.out.println(i);

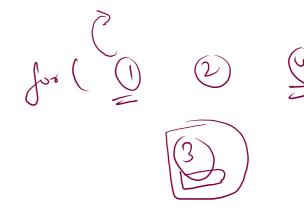
System.out.println(i);

system.out.println(i);

public class Main

{
    public class Main

{
        public static void main(String[] args) {
        int i = 1;
        System.out.println(i);
        i++;
    }
}</pre>
```



nth power of 2

$$n=3$$
 $n=4$
 $n=4$
 $n=4$
 $n=6$
 $n=6$

n=4

6 •

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

```
6 •
       public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
8
            int n = scn.nextInt();
9
10
           int ans = 1;
11 🔻
            for(int i = 1; i <= n; i++){
12
                ans *= 2;
13
14
            System.out.println(ans);
15
16
17 }
```





$$i = 1st \longrightarrow 2$$



$$\lambda' = ? \bigcirc$$



15 n

$$MX=$$
 2

$$\chi^{2} = \frac{9}{9} \stackrel{?}{=} \sqrt{2}$$

$$= \chi^{2} \stackrel{?}{\neq} \frac{9}{9} \stackrel{?}{=} \sqrt{2}$$

$$m = 12(4)$$
 $i = 12$

for(int i = 1; i <= n; i++){
 ans *= 2;

6 ▼ 7

8 9 10

}

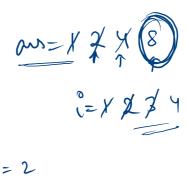
N=3

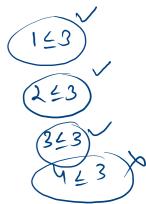
}

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

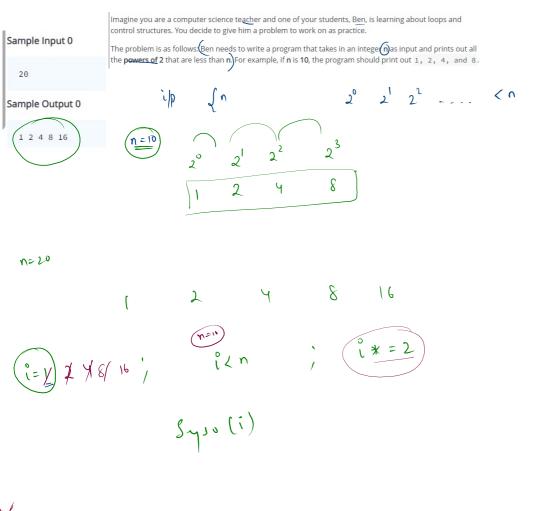
    int ans = 1;
    for(int i = 1; i <= n; i++){
        ans *= 2;

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





Print powers of 2 less than n

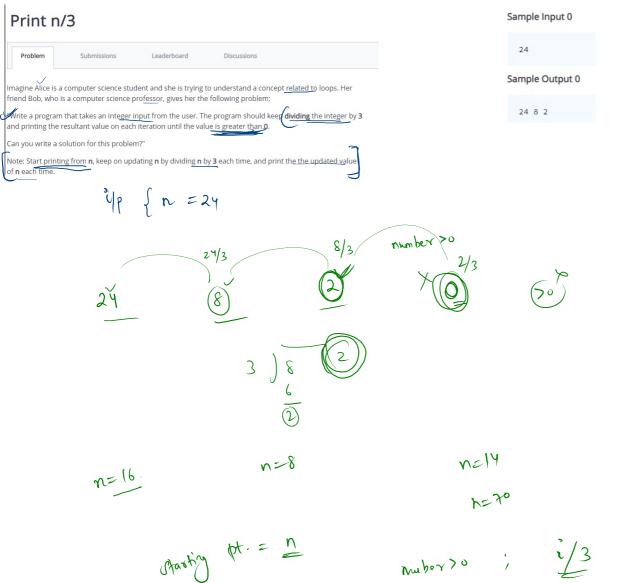


1 2 4 8

```
6
7
8
9
10
11
12
                 int n = scn.nextInt();
                 for(int i = 1; i)< n; i *= 2){
    System.out.print(i + " ");</pre>
14 }
                                                   3=xxx $ 16
```

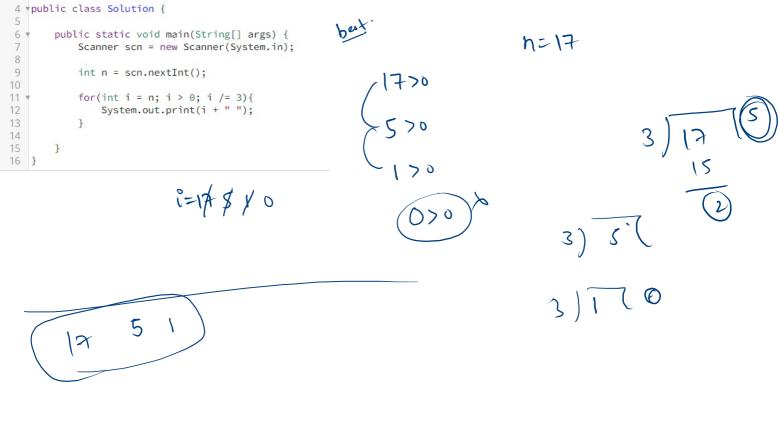
public static void main(String[] args) {

Scanner scn = new Scanner(System.in);



4 *public class Solution { 6 public static void main(String[] args) { Scanner scn = new Scanner(System.in); 8 int n = scn.nextInt(); ||24 9 10 11 1 for(int $i = n; i > 0; i /= 3){$ System.out.print(i + " "); 12 13 14 15 16

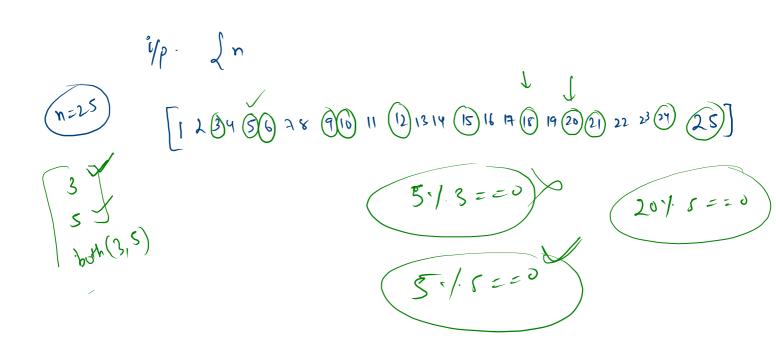




Multiples of 3, 5 and Both 3 and 5

Meet Maria, a math teacher who is preparing a lesson plan for her students. One of the activities she wants to include is a challenge for her students to find all the multiples of 3, 5, and both 3 and 5 within a given range. She has decided to use a program to generate the list of multiples for her students. Can you help Maria write a program that takes in an integer **n** and returns a list of all the multiples of 3, 5, and both 3 and 5, starting from 1 and going up to **n**?

n= 25



Sample Input 0

15

Sample Output 0

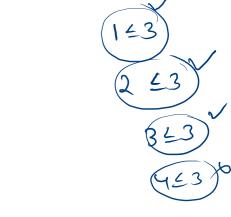
```
public static void main(String[] args) {
            Scanner scn = new Scanner(System.in);
            int n = scn.nextInt();
            for(int i = 1; i \le n; i++){
10
                if(i % 3 == 0 || i % 5 == 0){
                    System.out.print(i + " ");
                }
13
            }
14
15
16
17
18
```

```
public class Main

public static void main(String[] args) {
    int i = 1;

for(; i <= 3; ){
        System.out.println(i);
        i++;
    }
}</pre>
```



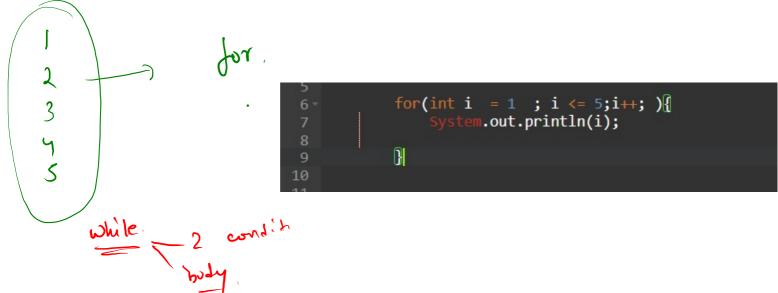




when to we while / for?

why we are wing while (orp?) which is better for / while?

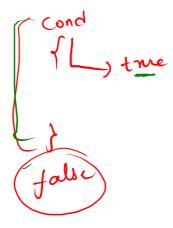
lost while			f~ (<u>U</u> ; <u>U</u>); (9)
10	Syntax whi	le (Condition)	f~ (<u>()</u> ; (2); (9)
	{	2) body.	>
	}	J	



int i = 1;

while(i <= 5){
 System.out.println(i);

i++;
</pre>





```
public static void main(string[] args) {
   int i = 1;
   while( i <= 5){
       System.out.println(i);
   }</pre>
```





1-1

```
1 public class Main{
        public static void main(String [] args){
            // System.out.println("Aman");
            int i = 1;
            int a = 40;
            while(i <= 3){
                System.out.println(a);
10
11
                a = a + 5;
                System.out.println(i);
12
13
14
15
                i++;
16
17
18
```