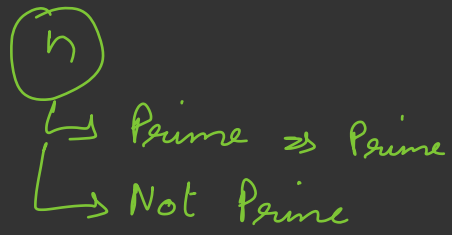
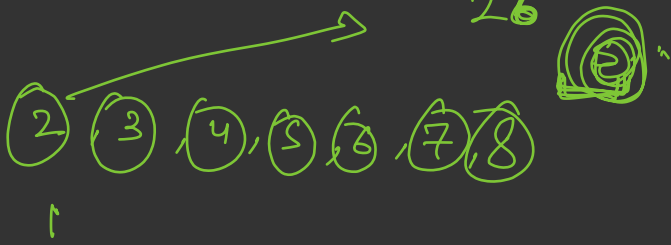
Need to take input (Integer)

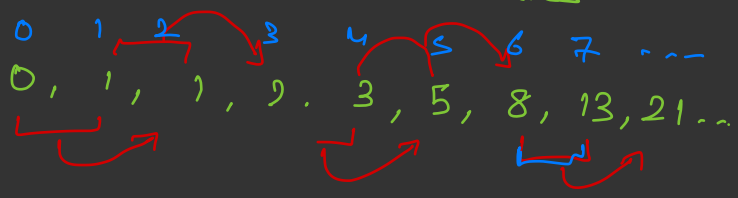


2, 3, 5, 7, 11 . . . .

$32/2 = 16$



Ques 2 Fibnacci Series



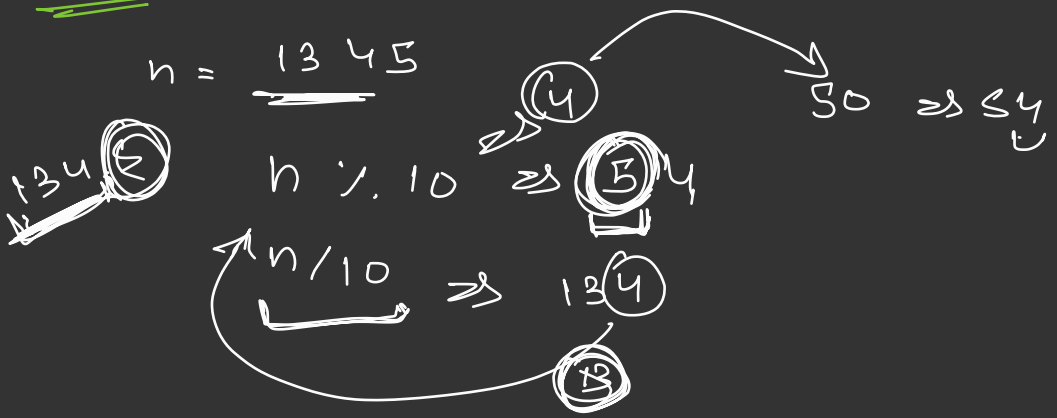
⇒ Print n^{th} fibnacci

7th int prev, curr, next

0 1

```
prev = 0;
curr = 1;
next = prev + curr;
prev = curr;
curr = next
```

Ques 3 Reverse a number

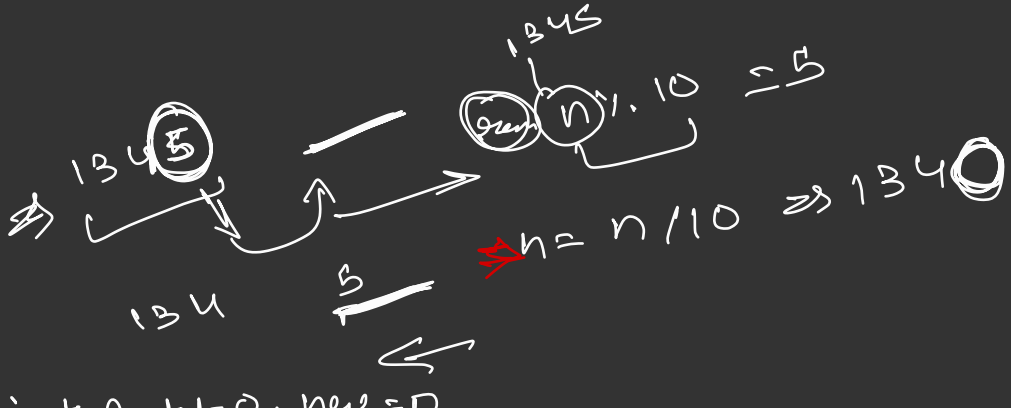


new = 0;

int rem = n % 10;

new ⇒ new × 10 + rem

n ⇒ n / 10



int lastd = 0, new = 0

while (n != 0) {

lastd = n % 10;

n = n / 10;

new = new × 10 + lastd;

}

n = ~~135~~ ~~13~~ ~~1~~ / 10 = 0

lastd = ~~5~~ ~~3~~ 1

new = ~~0~~ ~~5~~ 53

5 × 10 + 3

⇒ 53

53 × 10 + 1

⇒ 531

0 × 10 + 5

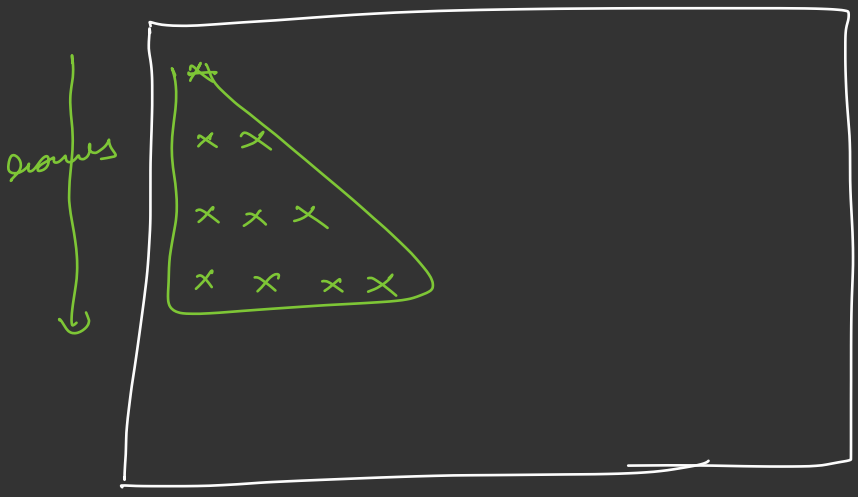
0 + 5 ⇒ 5

Ques Pattern n=6

```
*
* *
* * *
* * * *
* * * * *
* * * * * *
```

n = 4

```
*
* *
* * *
* * * *
```



Ques n = 4

```
1
2 3
4 5 6
7 8 9 10
```

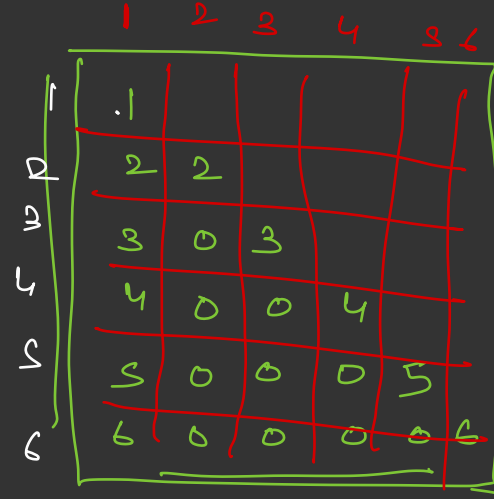
```
int count = 1
for (int row = 1; row <= n; row++) {
    for (int col = 1; col <= row; col++) {
        syso (count)
        count++
    }
    syso();
```

```
}
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

count = 1;

Ques

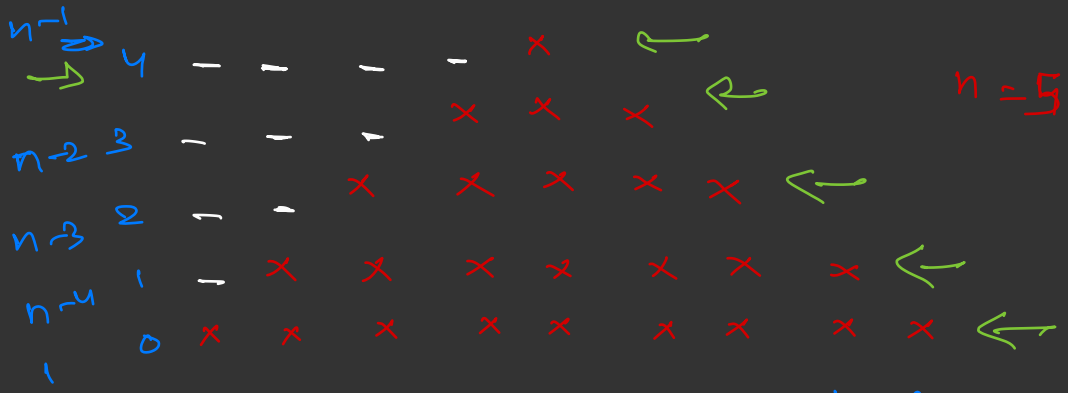
```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```




```
for (row = 1; row <= n; row++)
{
    for (col = 1; col <= row; col++) {
        if (col == 1 || col == row)
        { syso(row)
        }else syso(0)
    }
    syso()
}
```

	1	2	3	4	5
1	1	2	3	4	5
2	2	4	6	8	10
3	3	6	9	12	15
4	4	8	12	16	20
5	5	10	15	20	25

```
for (row 1 - 4) {
    for (col 1 - 4) {
        syso (row x col);
    }
}
```



n=5

int noSpaces ⇒ -1 ⇒ 4 n-1

int noStars ⇒ 1

for (row 1 - n)

for (i → 1 - noSpaces) {

sysO(" ")

}

noSpaces --

for (i = 1 → noStars) {

sysO("x");

}

noStars += 2;

sysO

}