

2D Arrays \rightarrow Collection of 1D Arrays

int[] arr = new int[5];

\uparrow \downarrow

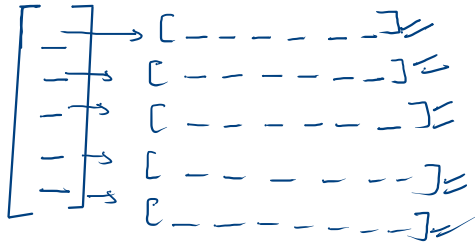
\uparrow
int
arr
size

int [5] arr = new int [5] [6]

\downarrow \leftarrow

} -

int[][] array = new int[5][6]



6 x 5
30

int [][] arr = new int[5][5]; ← arr ⁰ [1] [4]

4K
[1K 3K 2K 7K 11K]

[0 0 0 0 0]

1K

[0, 0, 0, 0, 0]

2K

3K
[0, 0, 0, 0, 0]

[0, 0, 0, 0, 0]

7K

[0, 0, 0, 0, 0]

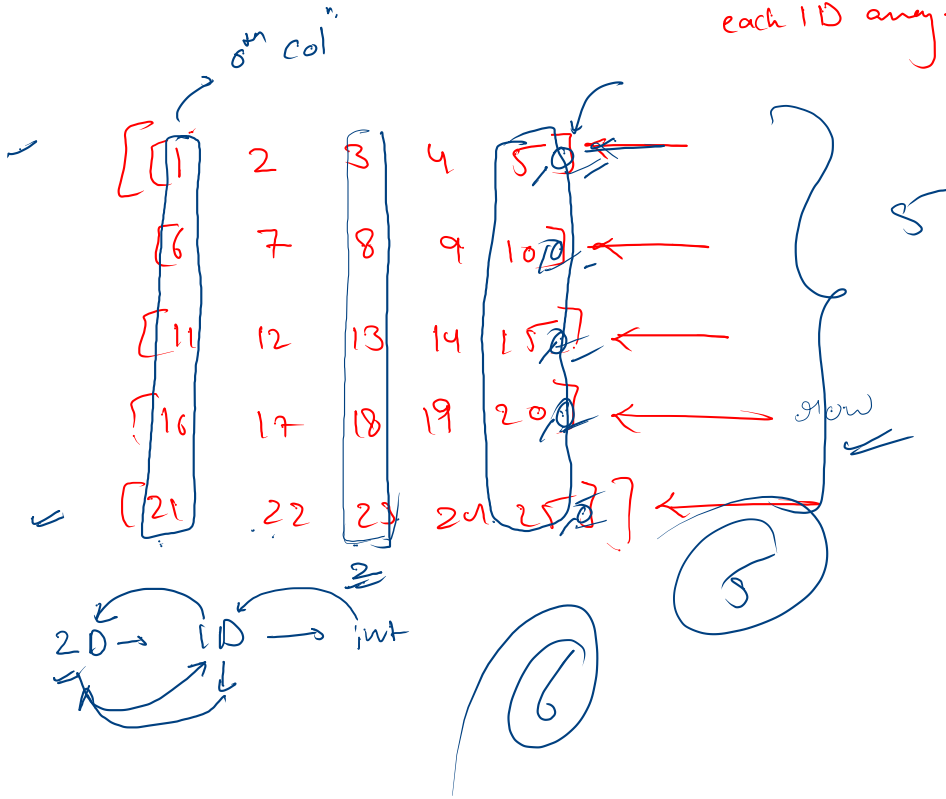
11K

arr = 4K

3K

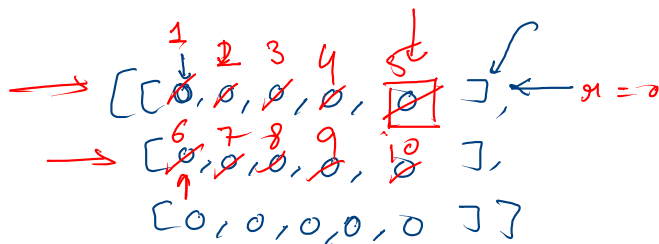
leetcode
make a 2D array
5x5
1 to 25
prime

each ID array \rightarrow row



tr = 3

tc = 5



5 < 5

```
for(int r = 0; r < tr; r++) {  
    for(int c = 0; c < tc; c++) {  
        arr[r][c] = scn.nextInt();  
    }  
}
```

$g = 0$ ~~1~~ 2

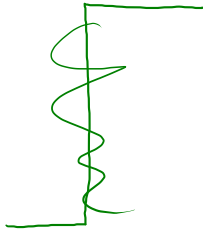
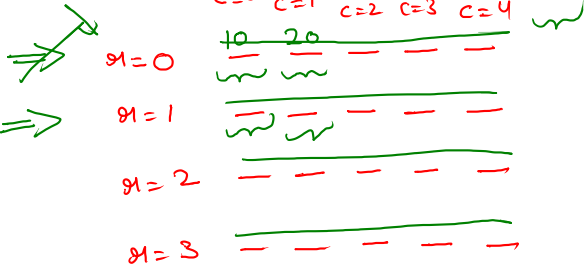
c = 0

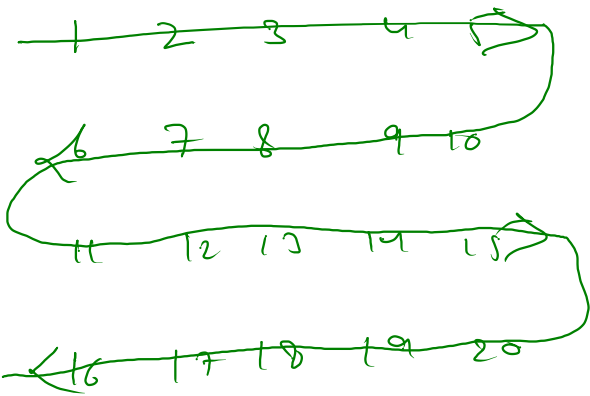
\rightarrow `for(int r = 0; r < tr; r++) {`
 `for(int c = 0; c < tc; c++) {`
 `arr[r][c] = scn.nextInt();` } // 10
 }

4 x 5

0 < 4

c = 0 1 2 3 4 5





Week 9 Play

$$n = 12$$

$$10 \ 12 \ 36 \ 425 \ \dots \dots \dots 12 =$$

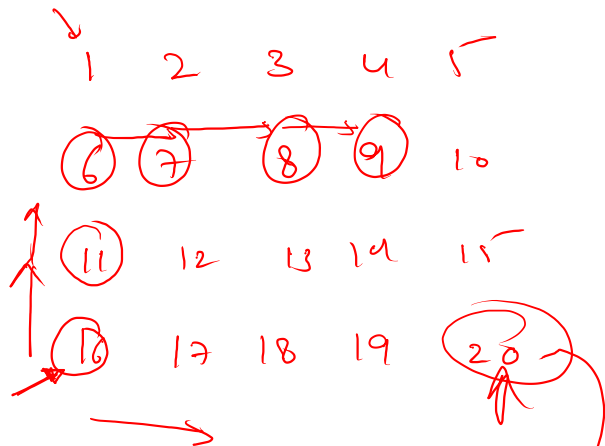
$$p \ q$$

$$3 \ \underline{4}$$

$$p \times q = n$$

$$\left. \begin{array}{l} \rightarrow 10 \quad 12 \quad 36 \quad 425 \\ \rightarrow 5 \quad 61 \quad 73 \quad 85 \\ \rightarrow 91 \quad 103 \quad 115 \quad 128 \end{array} \right\}$$

\rightarrow Print the 2D array



$n \times m$
 $n + m$

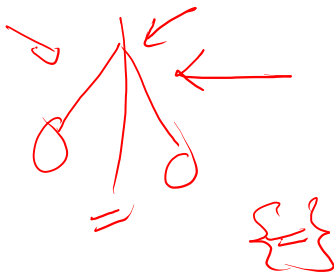
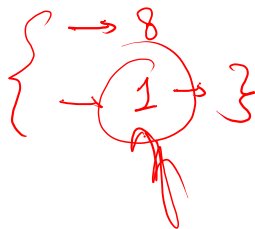
~~20~~

3+1

9+c

9 coins

$\lfloor =$



~~A~~

