

31_07 Doubt Session

Sunday, 31 July 2022 11:10 AM

1. Star Printing.}
2. Armstrong.

Practice { DSA } (xx)
(2) (xx)
8 PM (xx)

- DSA
1. Array
 2. Stack
 3. Queue

Q
{ loop }
{ condi }
{ break, continue }

(xx) Pen-Paper

| | | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 |
| 0 | * | * | * | * | * |
| 1 | * | * | * | * | * |
| 2 | * | * | * | * | * |
| 3 | * | * | * | * | * |
| 4 | * | * | * | * | * |

5ming

Pen-Paper

row <= cols

3 <= 1 (xx)

row = 1
col = 3

row = 3
col = 1

```
for (row = 0; row < 5; row++)  
{  
  for (col = 0; col < 5; col++)  
  {  
    *  
  }  
}
```

```
var rows = 5  
var cols = 5  
output = ""  
for (i = 1; i <= rows; i++) {  
  for (j = 1; j <= cols; j++) {  
    output = output + "*" + "  
  }  
  console.log(output)  
  output = ""  
}
```

i, j
(6)
(n) 2

| | | |
|---|---|---|
| * | * | * |
| * | * | * |
| * | * | * |
| * | * | * |
| * | * | * |

row = 5
col = 3

hard work

row = 0
col = 0

var n = 5

```
var n = 5;
var output = "";
debugger;
for (rows = 0; rows < n; rows++) {
  for (cols = 0; cols < n; cols++) {
    output = output + "*";
  }
  output = output + "\n";
}
console.log(output)
```

Output {

} 5 times

0 1 2 3 4

5 mins

```
0 *****
1 *       *
2 *       *
3 *       *
4 *****
```

row = 0 || row = 4

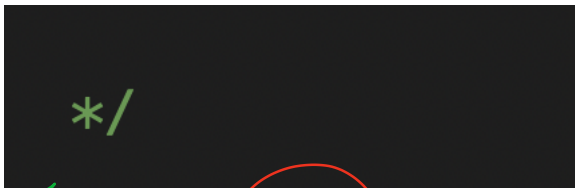
row = 1, 2, 3
col = 0 || col = 4
*
-

if-else
Otherwise " - "

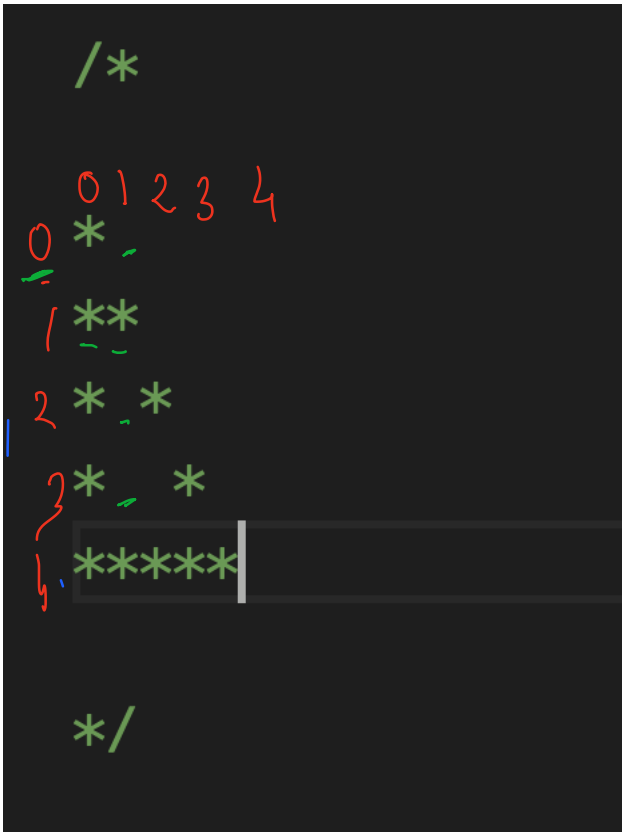
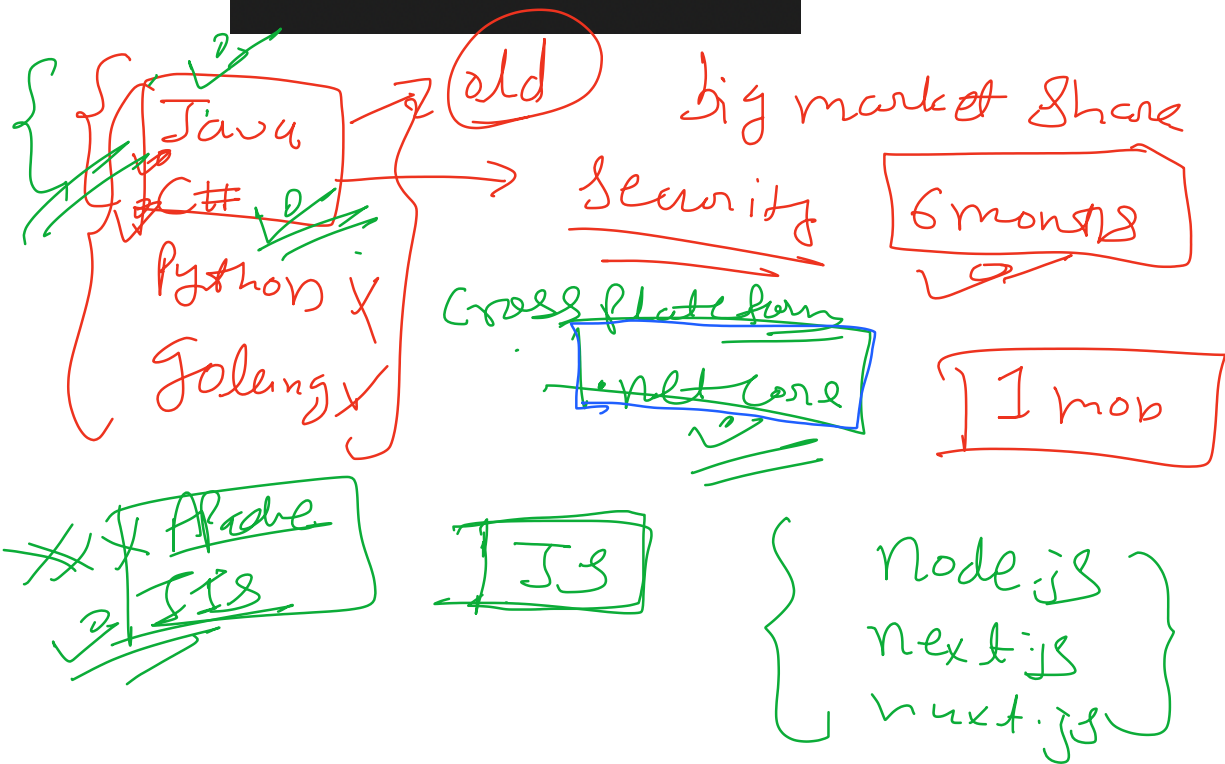
```
SK let n=5;
let pattern="";
for(let row=0;row<n;row++)
{
  for(col=0;col<n;col++)
  {
    if(row==0 || col==n-1)
    {
      pattern=pattern+"*";
    }
    else if(col==0 || col==4)
    {
      pattern=pattern+"*";
    }
    else
      pattern=pattern+" ";
  }
}
```

```
/*
~/Desktop/BE8/Code/StarPattern.js • Mo
- - - *
- - **
- ***
- ****
*****
```

spaces }
stars }
cols = -



$2n+1$



row = n 4
* * * *

col = 0, col = row - 1
" * "

row = 0
col = 0

row = 1
col = 1