1 2 3 4 5 6 7 8 9

Ans 1. --> Logic

```
×
中
       JS trangle.js X
       JS trangle.js > ...
              You, 15 minutes ago | 1 author (You)
Q
              const readline = require("readline");
              const rl = readline.createInterface({
                input: process.stdin,
                output: process.stdout,
8
              });
              tabnine: test | explain | document | ask
10
              rl.question("Enter the number of rows: ", (rows) => {
        11
                rows = parseInt(rows, 10);
        12
        13
                let pattern = "";
        14
15
1
        17
                for (let n = 1; n <= rows; n++) {
                   for (let space = 1; space <= rows - n; space++) {
pattern += " ";
        20
        21
        22
В
        23
                  for (let num = 1; num <= 2 * n - 1; num++) {
        24
        25
                    pattern += num + " ";
        26
                  pattern += "\n";
        27
        28
        29
        30
                console.log(pattern);
        32
                rl.close();
               }); <- #10-34 rl.question</pre>
        34
        35
```

Ans 1. --> output :

```
PROBLEMS OUTPUT TERMINAL PORTS GITLENS SEARCH ERROR COMMENTS DEBUG CONSOLE

91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment2/cw (main)

$ node trangle.js
Enter the number of rows: 5

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

```
Q 2.) Write a program in javascript to create a pattern like this
```

Ans 2. --> Logic

```
File Edit
              Selection View
                              Go
                                   Run
D
       JS leftTrangle.js X
        JS leftTrangle.js > ...
              You, 18 minutes ago | 1 author (You)
مړ
              const readline = require("readline");
              const rl = readline.createInterface({
d<sub>a</sub>
                 input: process.stdin,
                output: process.stdout,
8
              });
               tabnine: test | explain | document | ask
rl.question("Enter the number of rows: ", (answer) => {
         10
         11
                 let rows = parseInt(answer);
         12
                 let pattern = "";
         13
         14
(
         15
                 for (let n = 1; n <= rows; n++) {
                  for (let j = n; j >= 1; j--) {
                     pattern += j + " ";
\bigcirc
         17
         18
                   pattern += "\n";
20
         21
В
                 for (let n = rows - 1; n >= 1; n--) {
         23
                   for (let j = n; j >= 1; j--) {
         24
                     pattern += j + " ";
         25
         26
                   pattern += "\n";
         27
         28
         29
         30
                 console.log(pattern);
         32
                 rl.close();
         34
               }); <- #10-34 rl.question</pre>
         35
```

Ans 2. --> output :

```
91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment2/cw (main)

$ node leftTrangle.js
Enter the number of rows: 5
1
2 1
3 2 1
4 3 2 1
5 4 3 2 1
4 3 2 1
3 2 1
1 2 1
1
```

Ans 3. --> Logic

```
File
         Edit
              Selection
                       View
                              Go
                                   Run
中
       JS rightTrangle.js X
        JS rightTrangle.js > ...
               You, 1 second ago | 1 author (You)
               const readline = require("readline");
               const rl = readline.createInterface({
                 input: process.stdin,
                 output: process.stdout,
               });
8
               tabnine: test | explain | document | ask
               rl.question("Enter the number of rows: ", (answer) => {
                 let rows = parseInt(answer);
let pattern = "";
         10
         11
         12
         13
                 for (let n = 1; n <= rows; n++) {
         14
(le
                   for (let space = 1; space <= rows - n; space++) {
         15
                     pattern += " ";
         16
•
         17
         18
                   for (let j = 1; j \le n; j++) {
         19
20
                     pattern += j + " ";
                   pattern += "\n";
         22
 В
         23
         24
         25
         26
                 for (let n = rows - 1; n >= 1; n--) {
         27
                   for (let space = 1; space <= rows - n; space++) {
         28
                     pattern += " ";
         29
         30
                   for (let j = 1; j \leftarrow n; j++) {
         32
                     pattern += j + " ";
         34
                   pattern += "\n";
         35
         36
         38
                 console.log(pattern);
         39
                 rl.close();
         40
               }); <- #8-40 rl.question</pre>
         41
```

Ans 3. --> output :

```
91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment2/cw (main)

$ node rightTrangle.js
Enter the number of rows: 5

1
12
12
123
1234
1234
1234
123
123
123
123
```

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

Ans 4. --> Logic

```
×
    File
         Edit
              Selection View
                               Go Run
                                                    \leftarrow \rightarrow
<sub>C</sub>
       JS reverseTrangle.js X
        JS reverseTrangle.js > ...
               You, 14 minutes ago | 1 author (You)
0
          2
စ္စ
               const readline = require("readline");
               const rl = readline.createInterface({
               input: process.stdin,
                 output: process.stdout,
8
               });
               tabnine: test | explain | document | ask
rl.question("Enter the number of rows: ", (rows) => {
         10
         11
                 rows = parseInt(rows, 10);
         12
A
         13
                 let pattern = "";
         14
(
         15
         16
                 for (let n = rows; n >= 1; n--) {
(1)
         17
         18
         19
                   for (let space = 1; space <= rows - n; space++) {
pattern += " ";
         20
         21
         22
 В
         23
                   for (let num = 1; num <= 2 * n - 1; num++) {
         24
         25
                     pattern += num + " ";
         27
                   pattern += "\n";
         28
         29
         30
                 console.log(pattern);
         32
                 rl.close();
               }); <- #10-34 rl.question
         34
         35
(Q)
```

Ans 4. --> output :

```
91721@NARESH-PC MINGW64 ~/Pictures/Praveen's Files/Geekster/M4/javaScript/Assignment2/cw (main)

$ node reverseTrangle.js
Enter the number of rows: 5
1 2 3 4 5 6 7 8 9
1 2 3 4 5 6 7
1 2 3 4 5 6 7
1 2 3 4 5
1 2 3 4 5
```