Ques1:-

```
js-classroom > JS pattern1.js > ...
  1    let rows = 5;
  2    let cols = 5;
  3
  4    for (let i = 0; i < rows; i++) {
  5      let str = "";
  6      for (let j = 1; j < cols - i; j++) str += "  ";
  7      for (let j = 1; j <= 2 * i + 1; j++) str += j + " ";
  8      console.log(str + "\n");
  9    }
  10
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS E:\visual studio code\js-geek\js-classroom> node pattern1.js
        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

PS E:\visual studio code\js-geek\js-classroom>
```

Ln 8, Col 25   Spaces: 2   UTF-8   CRLF   {} JavaScript   Go Live   Quokka   Prettier

Ques2:-

```
js-classroom > JS pattern2.js > ...
  1    let rows = 9;
  2    let cols = 5;
  3
  4    for (let i = 1; i <= rows / 2 + 1; i++) {
  5      let str = "";
  6      for (let j = 1; j <= cols - i; j++) str += "  ";
  7      for (let j = 1; j <= i; j++) str += j + " ";
  8      console.log(str + "\n");
  9    }
  10   for (let i = Math.floor(rows / 2); i >= 1; i--) {
  11     let str = "";
  12     for (let j = 1; j <= cols - i; j++) str += "  ";
  13     for (let j = 1; j <= i; j++) str += j + " ";
  14     console.log(str + "\n");
  15   }
  16
```

```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS E:\visual studio code\js-geek\js-classroom> node pattern2.js
        1

      1 2

    1 2 3

  1 2 3 4

1 2 3 4 5

  1 2 3 4

    1 2 3

      1 2

        1
```

Ln 14, Col 25   Spaces: 2   UTF-8   CRLF   {} JavaScript   Go Live   Quokka   Prettier

Ques3:-

```javascript
let rows = 9;
let cols = 5;

for (let i = 1; i <= rows / 2 + 1; i++) {
  let str = "";
  for (let j = i; j >= 1; j--) str += j + " ";
  for (let j = 1; j <= cols - i; j++) str += "  ";
  console.log(str + "\n");
}
for (let i = Math.floor(rows / 2); i >= 1; i--) {
  let str = "";
  for (let j = i; j >= 1; j--) str += j + " ";
  for (let j = 1; j <= cols - i; j++) str += "  ";
  console.log(str + "\n");
}
```

```
PS E:\visual studio code\js-geek\js-classroom> node pattern3.js
1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

4 3 2 1

3 2 1

2 1

1
```

Ques4:-

```javascript
let rows = 5;
let cols = 5;

for (let i = rows - 1; i >= 0; i--) {
  let str = "";
  for (let j = 1; j < cols - i; j++) str += "  ";
  for (let j = 1; j <= 2 * i + 1; j++) str += j + " ";
  console.log(str + "\n");
}
```

```
PS E:\visual studio code\js-geek\js-classroom> node pattern4.js
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

PS E:\visual studio code\js-geek\js-classroom>
```