



**Subject : 2304CS431 – Client Side Scripting using  
Javascript**

**Faculty: Prof. Chirag K. Sakhrani**

**Practical – 9: Working with loops – 2.**

**1)**

**Program :-** 5

54

543

5432

54321

**Output :-**

```
for (let i = 1; i <= 5; i++) {  
  let row = "";  
  for (let j = 5; j >= 6 - i; j--) {  
    row += j;  
  }  
  console.log(row);  
}
```

**2)**

**Program :-** 1

12

123

1234

12345

**Output :-**

```
for (let i = 1; i <= 5; i++) {  
  let row = "";  
  
  for (let space = 1; space <= 5 - i; space++) {  
    row += " ";  
  }  
  
  for (let num = 1; num <= i; num++) {  
    row += num;  
  }  
  
  console.log(row);  
}
```

**3)**

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	<b>Program:-</b> * * * * * * * * * * * * * * *
	<b>Output:-</b>  let n = 5;  for (let i = 0; i < n; i++) { let row = "";  for (let j = 0; j < i; j++) { row += " "; }  for (let k = 0; k < n - i; k++) { row += "* "; }  console.log(row); }
4)	
	<b>Program:-</b> 5 4 4 3 3 3 2 2 2 2 1 1 1 1 1
	<b>Output:-</b> for (let i = 5; i >= 1; i--) { let row = "";  for (let space = 0; space <= 5 - i; space++) { row += " "; }  for (let j = 1; j <= i; j++) { row += j + " "; } console.log(row); }



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5)	
	<b>Program:-</b> 1 2 3 4 5 6 7 8 9 10
	<b>Output:-</b>  let number = 1;  for (let i = 1; i <= 4; i++) { let row = ""; for (let j = 0; j < i; j++) { row += number + ' '; number++; } console.log(row); }
6)	
	<b>Program:-</b> * * * * * * * * *
	<b>Output:-</b> let n = 3;  for (let i = 0; i < n; i++) { let row = " ";  for (let j = 0; j < n - i - 1; j++) { row += " "; }  for (let k = 0; k <= i; k++) { row += "* "; }  console.log(row); }  for (let i = n - 2; i >= 0; i--) { let row = " ";  for (let j = 0; j < n - i - 1; j++) { row += " "; } }



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```
}  
  
for (let k = 0; k <= i; k++) {  
    row += "* ";  
}  
  
console.log(row);  
}
```