

# List of Number pattern programming exercises

## Square number patterns

```
11111
11111
11111
11111
11111
```

### Number pattern 1

```
11111
00000
11111
00000
11111
```

### Number pattern 2

```
01010
01010
01010
01010
01010
```

### Number pattern 3

```
11111
10001
10001
10001
10001
11111
```

### Number pattern 4

```
11111
11111
11011
11111
11111
```

### Number pattern 5

```
10101
01010
10101
01010
10101
```

### Number pattern 6

11011  
11011  
00000  
11011  
11011

### Number pattern 7

10001  
01010  
00100  
01010  
10001

### Number pattern 8

01110  
10001  
10001  
10001  
01110

### Number pattern 9

11111  
22222  
33333  
44444  
55555

### Number pattern 10

12345  
12345  
12345  
12345  
12345

### Number pattern 11

12345  
23456  
34567  
45678  
56789

### Number pattern 12

1 2 3 4 5  
6 7 8 9 10  
11 12 13 14 15  
16 17 18 19 20

21 22 23 24 25

### Number pattern 13

55555  
54444  
54333  
54322  
54321

### Number pattern 14

12345  
23455  
34555  
45555  
55555

### Number pattern 15

12345  
23451  
34521  
45321  
54321

### Number pattern 16

12345  
21234  
32123  
43212  
54321

### Number pattern 17

5 5 5 5 5 5 5 5 5  
5 4 4 4 4 4 4 4 5  
5 4 3 3 3 3 3 4 5  
5 4 3 2 2 2 3 4 5  
5 4 3 2 1 2 3 4 5  
5 4 3 2 2 2 3 4 5  
5 4 3 3 3 3 3 4 5  
5 4 4 4 4 4 4 4 5  
5 5 5 5 5 5 5 5 5

### Number pattern 18

1	2	3	4	5
16	17	18	19	6
15	24	25	20	7
14	23	22	21	8
13	12	11	10	9

### Number pattern 19

# Triangle Easy Number Patterns

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55555  
4444  
333  
22  
1

## Number pattern 21

11111  
2222  
333  
44  
5

## Number pattern 22

## Number pattern 24

12345  
1234  
123  
12  
1

## Number pattern 25

## Number pattern 26

54321  
4321  
321  
21  
1

## Number pattern 27

## Number pattern 28

54321  
5432  
543  
54  
5

## Number pattern 29

### Number pattern 30

12345  
2345  
345  
45  
5

### Number pattern 31

### Number pattern 32

56789  
4567  
345  
23  
1

### Number pattern 33

13579  
3579  
579  
79  
9

### Number pattern 34

## **Triangle 0,1 Easy Number Patterns**

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## **Triangle Hard Number Patterns**

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### Number pattern 47

1            1  
12          21  
123        321  
1234      4321  
1234554321

N = 12345

12345  
1234  
123  
12  
1

### Number pattern 53

N = 12345

12345  
2345  
345  
45  
5

### Number pattern 54

## **Diamond Number Patterns**

---

1  
12  
123  
1234  
12345  
1234  
123  
12  
1

### Number pattern 55

1  
123  
12345  
1234567  
123456789  
1234567  
12345  
123  
1

### Number pattern 56

1  
121  
12321  
1234321  
123454321  
1234321  
12321  
121  
1

### Number pattern 57

\*  
\*1\*  
\*121\*

```

*12321*
*1234321*
*123454321*
*1234321*
*12321*
*121*
*1*
*

```

Number pattern 58

## Tricky Number Patterns

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```

1         1
2         2
3       3
4     4
5
4     4
3       3
2         2
1         1

```

Number pattern 59