

# 😊 Basic Pattern Problems 😊

## Steps:

1. Make a new repository on [Github](#) with the name **basic-pattern-problems-ia**
2. Practice pattern problems on your computer then upload it to repo.
3. Once done, switch to the next step- [Advanced pattern problems](#).

🔑 Please Note that this document keeps on updating.

👉 *Basic Step is to assume every pattern in the form of a GRID.*

1.

```
000000
000000
000000
000000
000000
```

2.

```
o
oo
ooo
oooo
```

3. Print a basic "\*" rectangle

```
*****
*****
*****
*****
```

4. Hollow Rectangle

```
***** --> 0th Row
*   * --> 1st Row
*   * --> 2nd Row
***** --> 3rd Row
```

5. for n=4

```
1
22
333
4444
for every value of n, it'll print up to n
```

6.



```
1
1 2
1 2 3
1 2 3 4
```

7.

```
A
B B
C C C
D D D D
```

8. *Half Pyramid*

```
*
* *
* * *
* * * *
```

9.

```
0
1 2
2 3 4
3 4 5 6
```

10.

```
A
B C
C D E
D E F G
```

11.

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

12. *For n=5*

```
E
D E
C D E
B C D E
A B C D E
```

13. *For n=4, similarly print for n=6,7,8.....*

```
1
1 2
1 2 3
1 2 3 4
```

14. *For n=5*



```

55555
4444
333
22
1
Similarly for N=6,8,9 etc...

```

15.

```

1
232
34542
4567654

```

#### 16. Diamond Pattern

```

*
***
*****
*****
*****
***
*

```

#### 17. Parallelogram Pattern

```

For n=4
****
****
****
****
Similarly for n=5,7,9,etc...

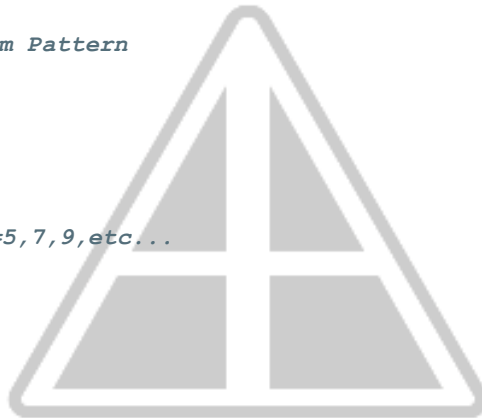
```

#### 18. For n=4

```

1=1
1+2=3
1+2+3=6
1+2+3+4=10

```



#### 19.

Inverted Half Pyramid

```

*****
*****
***
**
*

```

#### 20.

Hollow Inverted half Pyramid

```

*****
*  *
*  *
**
*

```

These are some of the standard and basic pattern questions, you can practice more questions for logic building .

**More patterns Like Butterfly pattern, Floyd's Pattern, 0-1 Pattern, etc.**

**It takes one week for a beginner to start with.**

*Once done, switch to the next step - [Advanced Patterns](#)*

*Also, Keep in touch with us to find the [latest internship/job opportunities](#) for freshers and experienced.*

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**Happy learning 😊**

