😄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
00
000
0000
```


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😄