

# Pattern Cheat Sheet

## Level 4

Q1 : Number Hour glass

N= 4

1234321

12321

121

1

121

12321

1234321

Q2: Alphabet X Pattern

N= 5

A E

B D

C

B D

A E

Q#: Number Diamond with borders

Input: n = 4

Output:

```
  1
 1 1
1  1
1234321
1  1
 1 1
  1
```

Q4: Hollow Butterfly pattern

Input: n = 4

Output:

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

Q5: Concentric 0 1 pattern

Input: n = 5

Output:

1 1 1 1 1

1 0 0 0 1

1 0 1 0 1

1 0 0 0 1

1 1 1 1 1

Q6:Concentric Number Matrix

4444444

4333334

4322234

4321234

4322234

4333334

4444444