

Pattern Cheat Sheet

Level 3

Q1 : Full Star Pyramid

N = 4

*

Q2: Inverted Star Pyramid

N = 5

*

Q3: Hollow Right Triangle

N= 5

*

* *

* *

* *

Q4: Diamond Pattern

N=4

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

Q5: Hollow Diamond Pattern

N=4

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

Q6: Alphabet Palindrome Pyramid

N=5

```
A  
ABA  
ABCBA  
ABCDcba  
ABCDEDCBA
```

Q7: X pattern

Input: n = 5

Output:

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

Q8: Hollow Square with Diagonals

Input: n = 5

Output:

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

Q9 Symmetric Binary Pyramid

Input: n = 4

Output:

```
1  
101  
10101  
1010101
```

Q10 : Hollow Diamond with cross

N= 4

*
* *
* + *
+++++
* + *
* *
*