

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 Patern

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

```
  *
 * *
* + *
*+++++*
 * + *
 * *
 *
```