



Assignment 5

1. Print a solid square pattern

Input: $n = 4$

Output:

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

2. Print a right-angled triangle pattern

Input: $n = 5$

Output:

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

3. Print an inverted right-angled triangle pattern

Input: $n = 5$

Output:

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



4. pyramid pattern

Input: $n = 5$

Output:

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

5. Print an inverted pyramid pattern

Input: $n = 5$

Output:

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

6. Print a half pyramid using numbers

Input: $n = 5$

Output:

```
1
12
123
1234
12345
```



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7. Print a Floyd's triangle pattern

Input: $n = 4$

Output:

```
1
2 3
4 5 6
7 8 9 10
```

8. Print a pattern of stars in diamond shape

Input: $n = 4$

Output:

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



9. Print a hollow square pattern

Input: $n = 4$

Output:

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

10. Print a hollow square with diagonal pattern

Input: $n = 5$

Output:

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