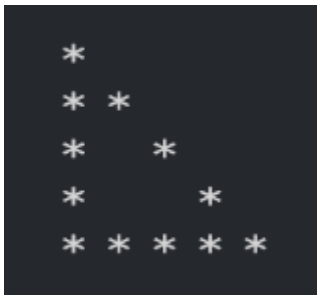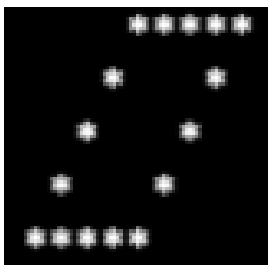# Day - 10 Task

1. Write a program to remove whitespaces from a given String. (Without using any inbuilt functions) String - "WELCOME TO MV CLOUDS"

2. Write a program to sort the given list of characters in alphabetical order.

3. Write a program to find the Second biggest integer value in the given list of values.[98,32,72,94,75,73,92,36,28,34]

4. Write a program to display the below-given structure as an output.
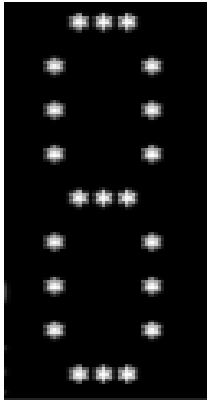
```
*
* *
*    *
*        *
* * * * *
```

5. Write a program to display the below-given structure as an output.

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

6. Write a program to display the below-given structure as an output.

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

7. Write a program to display the below-given structure as an output.

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

8. Write a program to display the below-given structure as an output.

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

9. Write a program to display the below-given structure as an output.

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

10. Write a program to display the below-given structure as an output.

```
    *
   *1*
  *2*2*
 *3*3*3*
*4*4*4*4*
```

11. Write a program to display the below-given structure as an output.

```
      *
     *1*
    *2*2*
   *3*3*3*
  *4*4*4*4*
   *3*3*3*
    *2*2*
     *1*
      *
```

12. "Write a Java program to reverse each word in a given string.
(Ex. "My name is Khan" => "Khan is named My")

13. Write a Java program to calculate the permutation and combination of 2 numbers.

14. Write a code to show NullPointerException.

15. Write a program to check whether the input number is an ArmStrong number or not.

16. "Create a function that accepts two arguments: the number of dice rolled, and the outcome of the roll. The function returns the number of possible combinations that could produce that outcome. The number of dice can vary from 1 to 6.
Ex.
User Input: 3 and 4.
Output: 3
// 1 + 1 + 2, 1 + 2 + 1, 2 + 1 + 1

User Input: 6 and 20.
Output: 4221"

17. Write a Java program to print the below given pattern by only using two variables upto n number of lines and take n as input.
1
2 3
4 5 6
7 8 9 10

Note:- variables used in loop is also counted as a separate variable and will be considered as one of the variable only intput n will not be considered in the two variable.

18. Write a Java program to print the below given pattern upto n number of rows.

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