```
//Try to do every pattern in generic way.
//Take input from user for every pattern.

*                       E                       2
* A                     E D                     2 *
* B *                   E D C                   2 * 5
* C * *                 E D C B                 2 * 5 7
* D * * *               E D C B A               2 * 5 7 11
//For N=5-------------------------------------------------------


0                       a                       1
0 1                     c a                     0 1
0 1 1                   f c a                   1 0 1
0 1 1 2                 j f c a                 0 1 0 1
0 1 1 2 3               o j f c a               1 0 1 0 1
//For N=5-------------------------------------------------------


E D C B A               * 4 3 2 1               I G E C A
  D C B A                 * 3 2 1                 G E C A
    C B A                   * 2 1                   E C A
      B A                     * 1                     C A
        A                       *                       A
//For N=5-------------------------------------------------------


        1                       E D C B A B C D E
      2 1 2                       D C B A B C D
    3 2 1 2 3                       C B A B C
  4 3 2 1 2 3 4                       B A B
5 4 3 2 1 2 3 4 5                       A
//For N=5-------------------------------------------------------


        A                       0                               *
      C B A                   * 1                           * A
    E D C B A               * * 2                         * B A
  G F E D C B A           * * * 3                       * C B A
                        * * * * 4                     * D C B A
//For N=5-------------------------------------------------------

        5                   2
      * 5                 2 3 2
    3 * 5               2 3 5 3 2
  2 3 * 5             2 3 5 7 5 3 2
1 2 3 * 5           2 3 5 7 * 7 5 3 2
//For n=5         2 3 5 7 * * * 7 5 3 2   For n=6 All are prime number but in place
                                         // of two digit prime put *



        2
      2 3
      2 3 5
      2 3 5 7
      2 3 5 7 9           //All are prime number but if prime number is Two
    2 3 5 7 9 *           //  digit then print star in that place
  2 3 5 7 9 * *           // for N=8
2 3 5 7 9 * * *
```

```
9 8 7 6 5 6 7 8 9                    5 4 3 2 1 2 3 4 5
  9 8 7 6 7 8 9                        4 3 2 1 2 3 4
    9 8 7 8 9                            3 2 1 2 3
      9 8 9                                2 1 2
        9                                    1
//For N=5                            For N=5


          5                                          1
        5 4 5                                      2 3 2
      5 4 3 4 5                                  3 4 5 4 3
    5 4 3 2 3 4 5                              4 5 6 7 6 5 4
  5 4 3 2 1 2 3 4 5                          5 6 7 8 9 8 7 6 5
    5 4 3 2 3 4 5                              4 5 6 7 6 5 4
      5 4 3 4 5                                  3 4 5 4 3
        5 4 5                                      2 3 2
          5                                          1
//For N=5                                      For N=5

A B C D E              E D C B *        A 1 B 2 C
      D E              D C B *          1 A 2 B C
    C D E              C B *            A 1 B C D
  B C D E              B *              1 A B C D
A B C D E              *                A B C D E

// For N=5            N=5              N=5


* * * * *
*         A
*       B A
*     C B A
* D C B A

//For N=5
```