Topic: Python Loops

Write a Python Program to print   below Patterns using For and While Loop:

1.
```
*
* *
* * *
* * * *   * * * * *
```

2.
```
*
* *
* * *
* * *  *  * * * * *
```

3.
```
*
* *
* * *
* * * *
* * *  * *
```

4.
```
1
1 2
1 2  3
1 2  3 4
  1  2 3  4
  5
```

5.
```
1
2 3
4 5  6
7  8  9  10
11  12 1 3 1 4  15
```

6.
```
A           [Use  ASCII  Values]
B           B
C           C  C
D           D  D D
```

E   E E E E

7.
A

                              B C
                              D E F
  G H IJ K
L M N O 8.
  K

                              K K
                              K K K
  K K K K K
  K K K K

9.
A

                              A B
                              A B C
  A B C D
  A B C D E

10.
P

                              Py
                              Pyt
                              Pyth

  Pytho Python

11.
  1 1 1 1 1
  2 2 2 2
  3 3 3
  4 4
  5

12.
  6 6 6 6 6
  5 5 5 5 5

                              4 4 4 4
                               3 3 3
  2 2
  1
13.

```
0 1 2 3 4 5
0 1 2 3 4
                        0 1 2 3
0 1 2
0 1
```

14.
```
1
2 3 4 5 6
7 8 9
```

15.
```
6 5 4 3 2 1
5 4 3 2 1
                        4 3 2 1
3 2 1
2 1
1
```

16.
```
1
3 3
5 5 5
7 7 7 7 9
9 9 9 9
```

17.
```
        1
       1 2
      1 2 3
     1 2 3 4
    1 2 3 4 5
```

18.
```
1 2 3 4 5
2 2 3 4 5
3 3 3 4 5
4 4 4 4 5
5 5 5 5 5
```
19.
```
1
2 4
3 6 9
```

```
4 8 12 16
5 10 15 20 25
6 12 18 24 30 36 7 14 21 28 35 42 49
```

20.

```
  1
  2   1
  4   2   1
  8   4   2   1
 16   8   4   2   1
                    32  16   8   4   2   1
 64  32  16   8   4   2   1
128  64  3 2  16   8   4   2 1
```

21.

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

22.
```
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* * * * *
* * * *
* * *
* *
* 23.


*
```

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

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