Assignment 1:

1. Pattern1

   1 1 1 1 1
   1 2 1 1 1
   1 1 3 1 1
   1 1 1 4 1
   1 1 1 1 5

2. Pattern2

   1 1 1 1 1
   1 2 1 1 1
   1 2 3 1 1
   1 2 3 4 1
   1 2 3 4 5

3. Patten 3

   1 1 1 1 1
   2 2 1 1 1
   3 3 3 1 1
   4 4 4 4 1
   5 5 5 5 5

4. Pattern4

   5 5 5 5 5
   4 4 4 4 4
   3 3 3 3 3
   2 2 2 2 2
   1 1 1 1 1

5. Pattern5

   5 4 3 2 1
   5 4 3 2 1
   5 4 3 2 1

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

6. Pattern6
```
101010
010101
101010
010101
101010
```

7. Pattern7
```
11111
01111
00111
00011
00001
```

8. Pattern8
```
10000
02000
00300
00040
00005
```

9. Pattern9
```
        1
       1 2
      1 2 3
     1 2 3 4
    1 2 3 4 5
```

10. Pattern 10
```
        5
      4 5
    3 4 5
  2 3 4 5
1 2 3 4 5
```

11. Pattern 11
```
ABCDE
BCDE
CDE
DE
E
```

12. Pattern 12
```
EDCBA
EDCB
EDC
ED
E
```

13. Pattern 13
```
    A
   B B
  C C C
 D D D D
E E E E E
```

14. Pattern 14

```
      A
     CBA
    EDCBA
   GFEDCBA
  IHGFEDCBA
```

15. Pattern 15

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

16. Pattern 16

```
        E

       DE

      CDE

     BCDE

    ABCDE
```

17. Pattern 17

    1

    3 2

    4 5 6

    10 9 8 7

    11 12 13 14 15

18. Pattern 18

    EEEEE

    DDDD

    CCC

    BB

    A

19. Pattern 19

    ABCDE

    ABCDE

    ABCDE

    ABCDE

    ABCDE

20. Pattern 20

ABCDE

BCDE

CDE

DE

E