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
```