Assignment 2 – Getting Started

1. Take N as input. If the number is prime, print "Prime" otherwise print "Not Prime".
2. Take N as input. Print Nth Fibonacci number. 0 is the 0th Fibonacci number and 1 is 1st Fibonacci number.
3. Take N as input. Calculate its reverse. Print the reverse.
4. Take N as input. Print all prime numbers from 2 to N.
5. Take N as input. Print all Fibonacci numbers less than N.
6. Take N as input. Print the sum of its odd placed digits and sum of its even placed digits.
7. Take N (number of rows), print the following pattern (for N = 4)

1

2 3

4 5 6

7 8 9 10

8. Take N (number of rows), print the following pattern (for N = 5)

1

2 2

3 0 3

4 0 0 4

5 0 0 0 5

9. Take N (number of rows), print the following pattern (for N = 6)

1

1 1

1 2 1

1 3 3 1

1 4 6 4 1

1 5 10 10 5 1

10. Take N (number of rows), print the following pattern (for N = 4)

CODING BLOCKS

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0

1 1

2 3 5

8 13 21 34

11. Take N (number of rows), print the following pattern (for N = 5)

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

12. Take N (number of rows), print the following pattern (for N = 5)

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

13. Take N (number of rows), print the following pattern (for N = 4)

```
        1
      2 3 2
    3 4 5 4 3
  4 5 6 7 6 5 4
```

14. Take N (number of rows), print the following pattern (for N = 3)

```
    1
  2 3 2
```

CODING BLOCKS

Assignment 2 – Getting Started

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

15. Take N (number of rows), print the following pattern (for N = 4)

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

CODING BLOCKS