Q.1]

```
Enter a number to get prime numbers in the range: 31
Prime numbers up to 31 are: 2,3,5,7,11,13,17,19,23,29,31

--------------------------------
Process exited after 6.943 seconds with return value 0
Press any key to continue . . .
```

Q.2]

```
Enter a number to print pattern for odd numbers: 15
 15
    13
        11
            9
                7
                    5
                        3
                            1

--------------------------------
Process exited after 1.791 seconds with return value 0
Press any key to continue . . .
```

```
Enter a number to print pattern for odd numbers: -10
 -9
     -7
         -5
             -3
                 -1
```

Q.3]

```
Enter the elements of the 3x3 matrix:
Matrix [0,0]: 3
Matrix [0,1]: 1
Matrix [0,2]: 4
Matrix [1,0]: 5
Matrix [1,1]: 2
Matrix [1,2]: 6
Matrix [2,0]: 9
Matrix [2,1]: 3
Matrix [2,2]: 4
Saddle Point at [2, 1]: 3

--------------------------------
Process exited after 9.598 seconds with return value 0
Press any key to continue . . .
```

Q.4]

```
Enter Elements of Matrix 1:
Matrix [0,0]: 1
Matrix [0,1]:
2
Matrix [0,2]: 3
Matrix [1,0]: 4
Matrix [1,1]: 5
Matrix [1,2]: 6
Matrix [2,0]: 7
Matrix [2,1]: 8
Matrix [2,2]: 9

Enter Elements of Matrix 2:
Matrix [0,0]: 9
Matrix [0,1]: 8
Matrix [0,2]: 7
Matrix [1,0]: 6
Matrix [1,1]: 5
Matrix [1,2]: 4
Matrix [2,0]: 3
Matrix [2,1]: 2
Matrix [2,2]: 1
Resulting Matrix after Multiplication:
30 24 18
84 69 54
138 114 90

--------------------------------
```

Q.5]

```
Enter the number of rows: 6
    *
   * *
  * * *
 * * * *
  * * *
   * *
    *

--------------------------------
Process exited after 2.679 seconds with return value 0
Press any key to continue . . .
```

Q.6]

```
1
12
123
1234

--------------------------------
Process exited after 0.02716 seconds with return value 0
Press any key to continue . . .
```

Q.7]

```
Enter the elements of the 3x3 matrix:
Matrix [0,0]: 9
Matrix [0,1]: 88
Matrix [0,2]: 7
Matrix [1,0]: 6
Matrix [1,1]: 5
Matrix [1,2]: 4
Matrix [2,0]: 3
Matrix [2,1]: 2
Matrix [2,2]: 1
Transposed Matrix:
9 6 3
88 5 2
7 4 1

--------------------------------
Process exited after 13.39 seconds with return value 0
```

Q.8]

```
Enter Elements of Matrix 1:
Matrix 1 [0][0]: 1
Matrix 1 [0][1]: 2
Matrix 1 [0][2]: 3
Matrix 1 [1][0]: 4
Matrix 1 [1][1]: 5
Matrix 1 [1][2]: 6
Matrix 1 [2][0]: 7
Matrix 1 [2][1]: 8
Matrix 1 [2][2]: 9

Enter Elements of Matrix 2:
Matrix 2 [0][0]: 3
Matrix 2 [0][1]: 2
Matrix 2 [0][2]: 1
Matrix 2 [1][0]: 4
Matrix 2 [1][1]: 5
Matrix 2 [1][2]: 6
Matrix 2 [2][0]: 9
Matrix 2 [2][1]: 8
Matrix 2 [2][2]: 7
Sum of Matrix 1: 45
Sum of Matrix 2: 45

--------------------------------
Process exited after 20.92 seconds with return value 0
Press any key to continue . . .
```

Q.9]

```
Elements occurring more than once: 20, 32, 25


--------------------------------
Process exited after 0.02109 seconds with return value 0
Press any key to continue . . .
```

Q.10]

```
Enter the number of rows: 10
                    1
                  1   1
                1   2   1
              1   3   3   1
            1   4   6   4   1
          1   5  10  10   5   1
        1   6  15  20  15   6   1
      1   7  21  35  35  21   7   1
    1   8  28  56  70  56  28   8   1
  1   9  36  84 126 126  84  36   9   1

--------------------------------
Process exited after 1.373 seconds with return value 0
Press any key to continue . . .
```