(2) Half Pyramid Pattern of Numbers

```
In [9]: for i in range(0,5):
    for j in range(i+1):
        print(j+1,end=" ")
    print(" ")

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

(3) Inverted Pyramid of Descending Numbers

```
In [19]: for i in range(5,0,-1):
    for j in range(i):
        print(i,end=" ")
    print(" ")
5 5 5 5 5
4 4 4 4 4
3 3 3
2 2
1
```

(1) Inverted Pyramid of Numbers

```
In [51]: for i in range(1,6):
    for j in range(6,i,-1):
        print(i,end=" ")
    print(" ")

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

(4) Inverted Pyramid of the Same Digit

(5) Reverse Pyramid of Numbers

```
In [2]: for i in range(1,6):
    for j in range(i,0,-1):
        print(j,end=" ")
    print(" ")

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

(6) Inverted Half Pyramid Number Pattern

```
In [36]: for i in range(5,0,-1):
    for j in range(0,i+1):
        print(j,end=" ")
    print(" ")

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

(7) Pyramid of Natural Numbers Less Than 10

(8) Python Program to calculate Sum of Series 12+22+32+....+n2

(10) Python Program to display Natural Numbers within a range using while loop

(14) Python Program For Armstrong Number

```
In [3]: n = input("Enter Number : ")
sum1 = 0
if n.isdigit() == True:
    for i in range(len(n)):
        sum1 = sum1 + int(n[i])**3
        print("{}^3 +".format(n[i]),end = " ")
        print(" : ",sum1)
else:
        print("Enter Number")

Enter Number : 370
3^3 + 7^3 + 0^3 + : 370
```

(13) Python Program to Count Number of Digits in a Number using While Loop

(12) Python Fibonacci Series program using While Loop

5

```
Enter number :5
0
1
1
2
3
```