

▼ New Section

wap to print sum of numbers

```
def sumofdigits(n):
    sum=0
    while(n!=0):
        sum=sum+(n%10)
        n=n//10
    print(sum)

def startingPoint():
    val = int(input("Enter a no. "))
    sumofdigits(val)

if __name__=="__main__":
    startingPoint()
```

Enter a no.456575875643
65

+ Code

+ Text

A Pattern

```
def pattern(n):
    for i in range(0,n):
        for j in range(0,n-i):
            print(j+1,end=' ')
        print()

def startingPoint():
    val = int(input("Enter a no. "))
    pattern(val)

if __name__=="__main__":
    startingPoint()
```

```
Enter a no.5
1 2 3 4 5
1 2 3 4
1 2 3
1 2
1
```

B pattern

```
def pattern(n):
    for i in range(0,n):
        for j in range(0,i+1):
            print(n-j,end=' ')
        print()

def startingPoint():
    val = int(input("Enter a no. "))
    pattern(val)

if __name__=="__main__":
    startingPoint()
```

```
Enter a no.5
5
5 4
5 4 3
5 4 3 2
5 4 3 2 1
```

C Pattern

```
def pattern(n):
    for i in range(1, n + 1):
        for j in range(n - i, 0, -1):
            print(" ", end=" ")
        for j in range(i, 0, -1):
            print(j, end=" ")
        for j in range(2, i+1):
            print(j, end=" ")
        print()

def startingPoint():
    val = int(input("Enter a no. "))
    pattern(val)

if __name__ == "__main__":
    startingPoint()
```

```
Enter a no.3
1
2 1 2
3 2 1 2 3
```

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