Recursion

```python
def tri_recursion(k):
  if(k > 0):
    result = k + tri_recursion(k - 1)
    print(result)
  else:
    result = 0
  return result

print("\n\nRecursion Example Results")
tri_recursion(6)

# OUTPUT
Recursion Example Results
1
3
6
10
15
21
```

Factorial - `5 * 4 * 3 * 2 * 1`

```python
def fact(number):

        if number == 1:
                return 1
        else:
                return number * fact(number - 1)

print (fact(5)) # 120
```

Palindrome - madam, 121, Non

```python
def palin(text):

    if len(text) <= 1:
        print('palindrome')
    else:
        if text[0] == text[-1]:
            palin(text[1:-1])
        else:
```

```
            print('not palin')

palin('madam') #palindrome
palin('naan') #palindrome
```