Python3

```python
# Python code to get the Cumulative sum of a list
def Cumulative(lists):
    cu_list = []
    length = len(lists)
    cu_list = [sum(lists[0:x:1]) for x in range(0, length+1)]
    return cu_list[1:]

# Driver Code
lists = [10, 20, 30, 40, 50]
print (Cumulative(lists))
```

Output

```
[10, 30, 60, 100, 150]
```

Approach 2:

Python3

```
list=[10,20,30,40,50]
new_list=[]
j=0
for i in range(0,len(list)):
    j+=list[i]
    new_list.append(j)

print(new_list)
#code given by Divyanshu singh
```

Output

```
[10, 30, 60, 100, 150]
```

Remove Letters From a String using the native method

In this method, one just has to run a Python loop and append the characters as they come and build a new string from the existing one except when the index is i.

Python3

```
test_str = "GeeksForGeeks"

# Removing char at pos 3
new_str = ""

for i in range(len(test_str)):
    if i != 2:
        new_str = new_str + test_str[i]

# Printing string after removal
print ("The string after removal of i'th character : " + new_str)
```

Output

```
The string after removal of i'th character : GeksForGeeks
```

Remove the i_{th} character from the string using slice + concatenation

One can use string slice and slice the string before the pos i, and slice after the pos i. Then using string concatenation of both, i_{th} character can appear to be deleted from the string.

Python3

```
# Initializing String
test_str = "GeeksForGeeks"

# Removing char at pos 3
# using slice + concatenation
new_str = test_str[:2] + test_str[3:]

# Printing string after removal
# removes ele. at 3rd index
print ("The string after removal of i'th character : " + new_str)
```

Python3

```python
# Python code to demonstrate string length
# using for loop

# Returns length of string
def findLen(str):
    counter = 0
    for i in str:
        counter += 1
    return counter


str = "geeks"
print(findLen(str))
```

Python3

```python
# Python code to demonstrate string length
# using while loop.

# Returns length of string
def findLen(str):
    counter = 0
    while str[counter:]:
        counter += 1
    return counter

str = "geeks"
print(findLen(str))
```

Output:

Find Compound Interest with Python

Python3

```python
# Python3 program to find compound
# interest for given values.


def compound_interest(principal, rate, time):

    # Calculates compound interest
    Amount = principal * (pow((1 + rate / 100), time))
    CI = Amount - principal
    print("Compound interest is", CI)


# Driver Code
compound_interest(10000, 10.25, 5)
```

Python3

```python
# Python3 program to find compound
# interest for input taking from user.


def compound_interest(principal, rate, time):

    # Calculates compound interest
    Amount = principal * (pow((1 + rate / 100), time))
    CI = Amount - principal
    print("Compound interest is", CI)


# Driver Code
#Taking input from user.
principal = int(input("Enter the principal amount: "))
rate = int(input("Enter rate of interest: "))
time = int(input("Enter time in years: " ))
#Function Call
compound_interest(principal,rate,time)

#This code is contributed by Vinay Pinjala.
```

Finding compound interest of given values without using pow() function.

Python3

```python
# Python code
# To find compound interest

# inputs
p= 1200    # principal amount
t= 2       # time
r= 5.4     # rate
# calculates the compound interest
a=p*(1+(r/100))**t  # formula for calculating amount
ci=a-p  # compound interest = amount - principal amount
# printing compound interest value
print(ci)
```

Compound Interest using for loop

Python3

```
def compound_interest(principal, rate, time):
    Amount = principal
    for i in range(time):
        Amount = Amount * (1 + rate/100)
    CI = Amount - principal
    print("Compound interest is", CI)
# Driver Code
compound_interest(1200, 5.4, 2)
#This code is contributed by Jyothi pinjala
```

Output