```
number = int(input('enter the number'))

digits = '0123456789'
result = ''
while number != 0:
  result = digits[number % 10] + result
  number = number//10

print(result)
```

```
L = [1,2,3,4]

sum = 0
for i in L:
  sum = sum + i

product = 1
for i in L:
  product = product*i

print(sum,product)
```

```
A = [1,2,3,4]
B = [5,6,7,8]
for i in A:
  for j in B:
    print(i,j)
```

```
A = [1,2,3,4]
B = [5,6,7,8]

for i in A:
  for j in B:
    for k in range(1000000):
      print(i,j)
```

```
L = [1,2,3,4,5]

for i in range(0,len(L)//2):
  other = len(L) - i -1
  temp = L[i]
  L[i] = L[other]
  L[other] = temp

print(L)
```

```
[5, 4, 3, 2, 1]
```

```
n = 10
k = 0;
for i in range(n//2,n):
  for j in range(2,n,pow(2,j)):
       k = k + n / 2;

print(k)
```

```
40.0
```

```
a = 10
b = 3

if b <= 0:
  print(-1)
div = a//b

print(a-div-b)
```

```
4
```

```
n = 345

sum = 0
while n>0:
  sum = sum + n%10
  n = n // 10

print(sum)
```

```
12
```

```
def fib(n):
  if n == 1 or n == 0:
    return 1
  else:
    return fib(n-1) + fib(n-2)


# Subset Algo
```

$$T(n) = \begin{cases} 3T(n-1) & \text{if } n>0 \\ 1 & \text{otherwise} \end{cases}$$

$$T(n) = \begin{cases} 2T(n-1)-1 & \text{if } n>0 \\ 1 & \text{otherwise} \end{cases}$$

Start coding or generate with AI.