In [1]:
```python
#Exercise 1: Calculate the Sum of Two Numbers using the Psudeo code given
first = float(input('Enter the first number:'))
second = float(input('Enter the second number:'))
sum_result= first+second
#printing the result
print('The sum of given numbers=',sum_result)
```

```
Enter the first number:10
Enter the second number:20
The sum of given numbers= 30.0
```

In [2]:
```python
#Exercise 2: Find the Maximum of Three Numbers using the pseudo code given
#collecting the input
num_1 = float(input('enter the first number:'))
num_2 = float(input('enter the second number:'))
num_3 = float(input('enter the third number:'))
# comparing the numbers
if(num_1>num_2):
    if(num_1>num_3):
        print(f'{num_1} is the greatest of the three.')
    else:
        print(f'{num_3} is the greatest of the three.')
else:
    if(num_2>num_3):
        print(f'{num_2} is the greatest of the three.')
    else:
        print(f'{num_3} is the greatest of the three.')
```

```
enter the first number:20
enter the second number:10
enter the third number:3
20.0 is the greatest of the three.
```

In [3]:
```python
#Exercise 3: Print a List of Numbers from 1 to N  using the given psudeo code
n = int(input('Enter the value of n:'))
#creating the loop for printing the values
for i in range(1,n+1):
    print(i)
```

```
Enter the value of n:5
1
2
3
4
5
```

In [4]:
```python
#Exercise 4: Calculate the Factorial of a Number using the given pseudo code
#defining the function
def factorial(n):
    if n==0 or n==1:
        return 1
    else:
        return n* factorial(n-1)
#taking the input and finding out the factorial
n=int(input('enter the desired number:'))
result = factorial(n)
print(f'The factorial of {n} = {result}')
```

```
enter the desired number:5
The factorial of 5 = 120
```

In [ ]: