In [1]:
```
a=100
b=20
if (a>b):
    large=a
else:
    large=b
print('largest=',large)
```

```
largest= 100
```

In [13]:
```
n=int(input('Enter a value='))
i=1
sum=0
while(i<=n):
    sum=sum+i
    i=i+1
print('Sum of',n,'=',sum)
```

```
Sum of 10 = 55
```

In [3]:
```
def fiboitr():
    n = int(input("enter the number of terms: "))
    n1 = 0
    n2 = 1
    c = 0
    if n <= 0 :
        print("enter a positive integer")
    elif n == 1:
        print(f"Fibonacci sequence upto {n} : ")
        print(n1)
    else :
        print(f"Fibonacci sequence upto {n} : ")
    while c < n:
        print(n1,end = '\n')
        m = n1 + n2
        n1 = n2
        n2 = m
        c += 1
fiboitr()
```

```
enter the number of terms: 5
Fibonacci sequence upto 5 :
0
1
1
2
3
```

In [2]:
```
def recur_factorial(n):
   if n == 1:
       return n
   else:
       return n*recur_factorial(n-1)

num = int(input("Enter input: "))

if num < 0:
   print("No Fact for 0")
elif num == 0:
   print("The factorial of 0 is 1")
else:
   print("The factorial of", num, "is", recur_factorial(num))
```

```
Enter input: 6
The factorial of 6 is 720
```

In [13]:
```
nterms = int(input("No of Terms: "))

n1, n2 = 0, 1
count = 0

if nterms <= 0:
   print("Invaild")
elif nterms == 1:
   print("Fibonacci sequence upto",nterms,":")
   print(n1)
else:
   print("Fibonacci sequence:")
   while count < nterms:
       print(n1)
       fib = n1 + n2
       n1 = n2
       n2 = fib
       count += 1
```

```
Fibonacci sequence:
0
1
1
2
3
```

In [14]:
```
def recur_fibo(n):
   if n <= 1:
       return n
   else:
       return(recur_fibo(n-1) + recur_fibo(n-2))

nterms = 10

if nterms <= 0:
   print("Invalid")
else:
   print("Fibonacci sequence:")
   for i in range(nterms):
       print(recur_fibo(i))
```

```
Fibonacci sequence:
0
1
1
2
3
5
8
13
21
34
```