

In [4]:

```
x=int(input('insert no:'))
if x >= 0:
    print ('positive')
else:
    print('negative')
```

insert no:-6  
negative

In [ ]:

```
sum of first 'n' natural number
```

In [5]:

```
n= int(input('Enter n: '))
x = 1
sum =0
while x <=n:
    sum = sum+x
    x = x+1
print('sum : ',sum)
```

Enter n: 5  
sum : 15

In [ ]:

```
to check if a user given year is leap year or not
```

In [9]:

```
year =int(input('Enter year: '))
if (year % 4 == 0 and year % 100 != 0) or (year % 400 == 0):
    print(year , 'is Leap year')
else: (year, 'is not leap year')
```

Enter year: 2000  
2000 is Leap year

string

In [12]:

```
s = input()
type(s)
```

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Out[12]:

str

In [14]:

```
s = 'hello '*5
print (s)
```

hello hello hello hello hello

## string slicing

In [23]:

```
s = 'hello world'  
print(s[0:10:2])
```

hlowr

In [22]:

```
print(len(s))
```

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## negative Indexes

In [24]:

```
s = "hello world"  
n = len(s)  
print(s[-1])
```

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In [31]:

```
print(s[-4:-1:2])
```

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