

In [1]:

```
# input and print
name = input('What is your name? ')
print('Hello ' + name)
```

What is your name?david  
Hello david

In [3]:

```
# simple loop
for i in range(5):
    print(i)
```

0  
1  
2  
3  
4

In [1]:

```
# loop
j = 0
for i in range(10,20,2):
    j = j + i
    print(i, j)
print(i+j)
```

10 10  
12 22  
14 36  
16 52  
18 70  
88

In [4]:

```
# list
a = [1,2,5,9]
a.append(4)
print(a)
a.pop(2)
print(a)
a.remove(1)
print(a)

j = 0
for i in range(len(a)):
    j = j + a[i]

print(j)
```

[1, 2, 5, 9, 4]  
[1, 2, 9, 4]  
[2, 9, 4]  
15

In [5]:

```
# dict
a = {'Tom': 100, 'Jerry': 99, 'Mary':90}
print(a['Tom'])
a['Tom'] = 80
print(a['Tom'])
if 'Tom' in a:
    print('key exists')
else:
    print('key is not exists')
a.pop('Tom')
print(a)
```

```
100
80
key exists
{'Mary': 90, 'Jerry': 99}
```

In [6]:

```
# functions
def my_max_min(*number):
    a_list = list(number)
    a_list.sort()
    my_max = a_list[-1]
    my_min = a_list[0]
    print(a_list)
    return my_max, my_min

print(my_max_min(1,5,30,14,25,100,200,0))
```

```
[0, 1, 5, 14, 25, 30, 100, 200]
(200, 0)
```

In [2]:

```
a = ['1','3','5']
print(a)
```

```
['1', '3', '5']
```

In [3]:

```
b = a[::-1]
print(b)
```

```
['5', '3', '1']
```

In [5]:

```
def my(*number):

    print(type(number))
```

```
my(1,2,3,6,7,7)
```

```
<class 'tuple'>
```

In [ ]: