

In [7]:

```
1  ## task 7
2  ## loops ( for ,while)
3
4  w=int(input('enter num:'))
5  while w<8:
6      print(w)
7      w+=1
8  else:
9      print('w is no long than 8')
```

enter num:2

2

3

4

5

6

7

w is no long than 8

In [8]:

```
1  ## for loop
2  snacks=['tea','coffe','puff']
3  for i in snacks:
4      print(i)
5
```

tea

coffe

puff

In [15]:

```
1  for i in 'onion':
2      print(i)
```

o

n

i

o

n

```
In [24]: 1 for i in range(5,10):
          2     print(i)
          3 print('-----')
          4 for i in range(3,15,2):
          5     print(i)
          6 print('-----')
          7 for i in range(4,30,8):
          8     print(i)
          9 else:
         10     print('finised')
         11 print('-----')
         12
         13 f1=['small','large']
         14 f2=['tv','home theatre']
         15 for i in f1:
         16     for j in f2:
         17         print(i,j)
         18
```

```
5
6
7
8
9
-----
3
5
7
9
11
13
-----
4
12
20
28
finised
-----
small tv
small home theatre
large tv
large home theatre
```

In [16]:

```
1  ## break,continue,pass statements
2
3  for i in range(7):
4      if i==4:
5          continue
6          print(i)
7
8  print('-----')
9
10 for i in range(7):
11     if i==4:
12         break
13         print(i)
14
15 print('-----')
16
17 for i in range(7):
18     if i==4:
19         pass
20         print(i)
21
22
```

```
0
1
2
3
5
6
-----
0
1
2
3
-----
0
1
2
3
4
5
6
```

In [34]:

```
1  ## range functions
2
3  r=range(6)
4  for i in r:
5      print(i)
6
7  print('----')
8
9  r=range(12,16)
10 for i in r:
11     print(i)
12
13 print('----')
14 |
15 r=range(22,48,12)
16 for i in r:
17     print(i)
18
19
```

0

1

2

3

4

5

----

12

13

14

15

----

22

34

46