

In [5]:

```
#create list of 1 to 20 number using for loop
lst = []
for i in range(1,21):
    lst.append(i)
print(lst)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20]
```

In [6]:

```
# create list of 20 to q number using while loop
# initialize the variable
i = 20
while i >= 0:
    print(i)
    i = i - 1
```

```
20
19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
-
```

In [7]:

```
#conditional loop for checking grades
marks=70
if marks>90:
    print("O grade")
elif marks>70:
    print("A grade")
elif marks>60:
    print("B grade")
elif marks>50:
    print("C grade")
else:
    print("fail")
```

B grade

In [8]:

```
#conditional loop for Prime number
num = 9
if num > 1:
    for i in range(2, num):
        if(num % i) == 0:
            print('Number is not Prime')
            break
    else:
        print('Number is Prime')
```

Number is not Prime

In [21]:

```
#printing odd values using continue statement and for loop
for i in range(1,20):
    # checking condition
    if (i%2 == 0):
        continue
    else:
        print(i)
```

1  
3  
5  
7  
9  
11  
13  
15  
17  
19

In [5]:

```
x=('A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z')
c=1
for i in range (len(x)):
    print (x[i],c)
    c+=1
```

```
A 1
B 2
C 3
D 4
E 5
F 6
G 7
H 8
I 9
J 10
K 11
L 12
M 13
N 14
O 15
P 16
Q 17
R 18
S 19
T 20
U 21
V 22
W 23
X 24
Y 25
Z 26
```

In [21]:

```
#reverse tuple without using reverse method
T=(1,3,2,4,6,5)
a = T[::-1]
print(a)
```

```
(5, 6, 4, 2, 3, 1)
```

In [13]:

```
#print statistics
l=['s','t','a','t','i','s','t','i','c','s']
for i in range (len(l)):
    if l[i]=='s':
        pass
        print("python")
    print(l[i])
```

python

s

t

a

t

i

python

s

t

i

c

python

s

In [19]:

```
#print every word and stop iteration after getting g letter
l=['a','b','c','d','e','f','g','h','i']
for i in range (len(l)):
    if(l[i]=='g'):
        break
    print (l[i])
```

a

b

c

d

e

f

In [ ]: