

4_conditions

August 22, 2023

```
[7]: a=int(input())
     if a>10:
         print("this will be executed if a is greater than 10")
     elif a >=0 and a<=10 :
         print("this is trying to execute if a is less or equal to 10")
     else:
         print("this will execute once if will not be able to perform")
```

-3

this will execute once if will not be able to perform

```
[18]: n=9
      i=0
      while i<=n:
          i+=1
          print(i)
```

1
2
3
4
5
6
7
8
9
10

```
[20]: n=9
      i=0
      while i<=n:
          i+=1
          print(i)
      else:
          print("this will be executed once while executes succeefully")
```

1
2

3
4
5
6
7
8
9
10

this will be executed once while executes succeefully

```
[21]: n=10
i=1
while i<=n:
    i+=1
    if i==5:
        break # this will break the while loop and come out of while loop
    print(i)
else:
    print("this will be executed once while executes succeefully") # this is
    ↪not printed because of interruption due to break
```

2
3
4

```
[23]: n=10
i=1
while i<=n:
    i+=1
    if i==5:
        continue # this will skip the execution of next steps for current
    ↪iteration(i=5)
    print(i)
else:
    print("this will be executed once while executes succeefully") # this is
    ↪printed because of no interruption for while loop due to continue
```

2
3
4
6
7
8
9
10
11

this will be executed once while executes succeefully

```
[24]: s="smily"
      for i in s:
          print(i)
```

s
m
i
l
y

```
[26]: l=['a',30,'smily',2.5]
      for i in l:
          print(i)
```

a
30
smily
2.5

```
[27]: l=['a',30,'smily',2.5]
      for i in l:
          if i=='smily':
              break
          print(i)
```

a
30

```
[28]: range(10)
```

```
[28]: range(0, 10)
```

```
[29]: list(range(10))
```

```
[29]: [0, 1, 2, 3, 4, 5, 6, 7, 8, 9]
```

```
[ ]:
```