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In [1]: #while loop= a statement that will execute the code as long as its condition remains true
         #example for infinity loop
         while 1==1:
             print('hello world')
         hello world
 In [4]: #see the loop never stop we have to give the code a stop condition
         name = ''
         while len(name) ==0:
            name = input('enter your name:')
         print('hello '+name)
         enter your name:
         enter your name:
         enter your name:
         enter your name:Aziz
         hello Aziz
 In [5]: #example for while loop that count to 10
         x = 0
         while not x==10:
            x +=1
             print(x)
         1
         2
         3
         4
         5
         6
         7
         8
         9
         10
In [11]: #example for backward count
         x = 10
         while not x==0:
            x -=1
             print(x)
         9
         8
         7
         6
         5
         4
         3
         2
         1
In [12]: #example for while that run x time that you choice
         x = 0
         name = ''
         while not x==3:
            name = input('enter your name:')
             print('hello '+name+' your number is:'+str(x))
         enter your name:Aziz
         hello Aziz your number is:1
         enter your name:Ali
         hello Ali your number is:2
         enter your name:Nora
         hello Nora your number is:3
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