

Break vs Continue

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In [1]: numbers = (5, 10, 15, 20, 25, 30, 35, 40, 45)
num_sum = 0
count = 0
for x in numbers:
    num_sum = num_sum + x
    count = count + 1
    if count == 7:
        break
    print("Sum of first ",count,"integers is: ", num_sum)

Sum of first 1 integers is: 5
Sum of first 2 integers is: 15
Sum of first 3 integers is: 30
Sum of first 4 integers is: 50
Sum of first 5 integers is: 75
Sum of first 6 integers is: 105

In [2]: num_sum=0
count=0
while (count<15):
    num_sum= num_sum+count
    count=count+4
    if count== 16:
        break
    print("Sum of first ",count,"integers is: ", num_sum)

Sum of first 4 integers is: 0
Sum of first 8 integers is: 4
Sum of first 12 integers is: 12

In [3]: number=0
for number in range(5):
    if number==3:
        break
    print(number)
print('Rest of the code')

0
1
2
Rest of the code

In [4]: number=0
for number in range(5):
    if number==3:
        continue
    print(number)
print('Rest of the code')

0
1
2
4
Rest of the code

In [5]: number=0
for number in range(5):
    if number==3:
        pass
    print(number)
print('Rest of the code')

0
1
2
3
4
Rest of the code

In [6]: for ch in ("Rubber","Pencil","Scale","Sketch","Sharpner","Geometry Box"):
    if ch=="Sharpner":
        break
    print(ch)

Rubber
Pencil
Scale
Sketch

In [7]: for ch in ("Rubber","Pencil","Scale","Sketch","Sharpner","Geometry Box"):
    if ch=="Sharpner":
        continue
    print(ch)

Rubber
Pencil
Scale
Sketch
Geometry Box

In [8]: for ch in ("Rubber","Pencil","Scale","Sketch","Sharpner","Geometry Box"):
    if ch=="Sharpner":
        continue
    print(ch)

Rubber
Pencil
Scale
Sketch
Geometry Box

In [9]: i=1
while (i<15):
    print(i)
    i+=1

1
2
3
4
5
6
7
8
9
10
11
12
13
14

In [10]: for i in range(2,12,2):
    print(i)

2
4
6
8
10

In [11]: for i in range(2,12,2):
    print(i, end=" ")

2 4 6 8 10

In [13]: while (True):
    x = int(input("Enter a lucky number: "))
    if x== 92:
        print("Hurray!!You got 2 Days and 3 Nights Malaysia Tour Package ")
        break
    if x<92:
        print("Sorry!! Try it Once Again, you have selected the smaller number ")
        continue
    if x>92:
        print("Better luck next time, you have selected the largest number")
        continue

Enter a lucky number: 94
Better luck next time, you have selected the largest number
Enter a lucky number: 93
Better luck next time, you have selected the largest number
Enter a lucky number: 86
Sorry!! Try it Once Again, you have selected the smaller number
Enter a lucky number: 89
Sorry!! Try it Once Again, you have selected the smaller number
Enter a lucky number: 92
Hurray!!You got 2 Days and 3 Nights Malaysia Tour Package

In [15]: while (True):
    x = int(input("Enter a lucky number: "))
    if x== 92:
        print("Congratulation!! You have a 35% discount on BigBazaar ")
        break
    else:
        print("Time Out!!!")
        continue

Enter a lucky number: 87
Time Out!!!
Enter a lucky number: 89
Time Out!!!
Enter a lucky number: 92
Congratulation!! You have a 35% discount on BigBazaar

In [ ]:
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