The For Loop - "Repeating Code"

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# For loop examples
# control c will interrupt execution of code
# count from 1 to 10
for i in range(1,11):
  print ("i is equal to",i)
# count from start to stop
print()
start=1
stop=10
for i in range(start,stop+1):
  print ("i is equal to",i)
# count from 10 to 100 in steps of 10
print()
start = 10
stop = 100
for i in range(start,stop+1,10):
  print ("i is equal to",i)
#count backwards
print()
start = 10
stop = 1
for i in range(start, stop-1,-1):
  print ("i is equal to",i)
```

```
#count from 0 to -1000 in steps of -100
print()
start = 0
stop = -1000
for i in range(start, stop-1,-100):
  print ("i is equal to",i)
# sum all mumbers between 1 and 1000
print()
start = 0
stop = 1000000 #one million
sum = 0
for i in range(start,stop+1):
print ("The sum of numbers between 1 and one million is", sum)
# exit loop using break
        start = 0
        stop = 1000
        for i in range(start,stop+1):
          print ("i=",i)
          if i==7:
            print("loop stopped at 7")
            break
```

Programs of the Day

1.	Have	the	user	enter	а	starting	and	ending	value.

Output the count and running total between these values

2. Output the following table of squares and cubes

Number Square Cube 1 1 1 2 4 8 ... 10 1000 1000

- 3. Output all multiples of 13 between 13 and 1300, and the sum of these multiples
- 4. Have the user enter their name and a number, n.

Output Hello "name", n times