More with Loops
We can determine if number n is prime by trying to divide all of the numbers from 2 up to (but not including) n into it. If any of them divide in evenly then n is not prime; if none of them do it is prime. Here is an easy loop for this:

```python
n = eval(input("Enter n: "))

isPrime = True
for i in range(2,n):
    if n%i == 0:
        isPrime = False

if isPrime:
    print( "%d is prime." % n)
else:
    print( "%d is not prime." %n )
```
Now use this to write a program that has a variable Max and prints all of the primes from 2 to Max.
Note that the for-loop makes this program do a lot of useless checking. For example if n is 100 it divides 99 numbers into n, although it finds out that 2 divides evenly into n. We can prevent this with a while loop:

```python
isPrime = True
i = 2
while i < n and isPrime:
    if n%i == 0:
        isPrime = False
    i = i+1
```