Create a prime number using for loop and also while loop create a range of tables using while loop

```
#range
num = int(input("Enter the number: "))
i = 1
while i <= 10:
  print(num,"x",i,"=",num*i)
  i = i+1
```

```
Enter the number: 5
    5 x 1 = 5
    5 x 2 = 10
    5 x 3 = 15
    5 x 4 = 20
    5 x 5 = 25
    5 x 6 = 30
    5 x 7 = 35
    5 x 8 = 40
    5 x 9 = 45
    5 x 10 = 50
```

```
num = int(input("enter any number: "))
for i in range(1,11):
  print(num,"x",i,"=",num*i)
```

```
enter any number: 5
    5 x 1 = 5
    5 x 2 = 10
    5 x 3 = 15
    5 x 4 = 20
    5 x 5 = 25
    5 x 6 = 30
    5 x 7 = 35
    5 x 8 = 40
    5 x 9 = 45
    5 x 10 = 50
```

prime number

```
st = int(input("Enter the starting number: "))
end = int(input("Enter the ending range: "))
num = st
while num <= end:
    if num > 1:
        is_prime = True
        i = 2
        while i*i <= num:
            if num % i == 0:
                is_prime = False
                break
            i += 1
        if is_prime:
            print(num)
    num += 1
```

```
Enter the starting number: 1
Enter the ending range: 10
    2
    3
    5
    7
```

```python
st = int(input("Enter the starting number: "))
end = int(input("Enter the ending range: "))
for num in range(st, end + 1):
    if num > 1:
        is_prime = True
        for i in range(2, int(num ** 0.5) + 1):
            if num % i == 0:
                is_prime = False
                break
        if is_prime:
            print(num)
```

```
Enter the starting number: 1
Enter the ending range: 10
2
3
5
7
```

```python
st = int(input("Enter the starting number: "))
end = int(input("Enter the ending range: "))
for num in range(st, end + 1):
    if num > 1:
        is_prime = True
        for i in range(2, int(num ** 0.5) + 1):
            if num % i == 0:
                is_prime = False
                break
        if is_prime:
            print(num)
```