

1.prime numbers in given range

Basic method

```
n=int(input("enter a number:"))
print("prime numbers between 2
and",n) for num in range (2,n):
for i in range(2,num):
if num%i==0:
    break
else:
    print(num,end=",")
```

squareroot method

```
n = int(input("Enter a number:
")) for num in range(1, n+1):
if num > 1:
    for i in range(2, int(num ** 0.5) + 1):
if num % i == 0:
    break
else:
    print(num, end=" ")
```

flag method

```
n=int(input("enter a number:"))
for num in range(1, n +
1):
    if num > 1:
        flag = True
for i in range(2, num):
if num % i == 0:
flag = False
break
    if flag:
        print(num, end=" ")
```