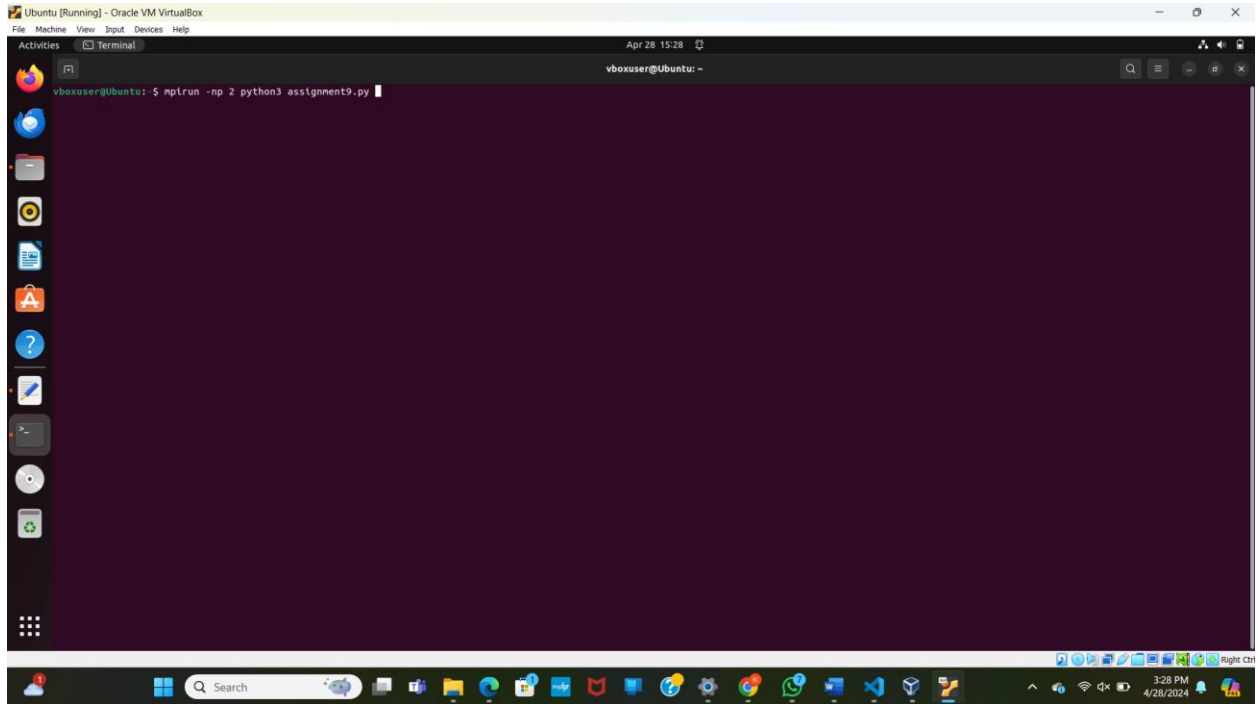
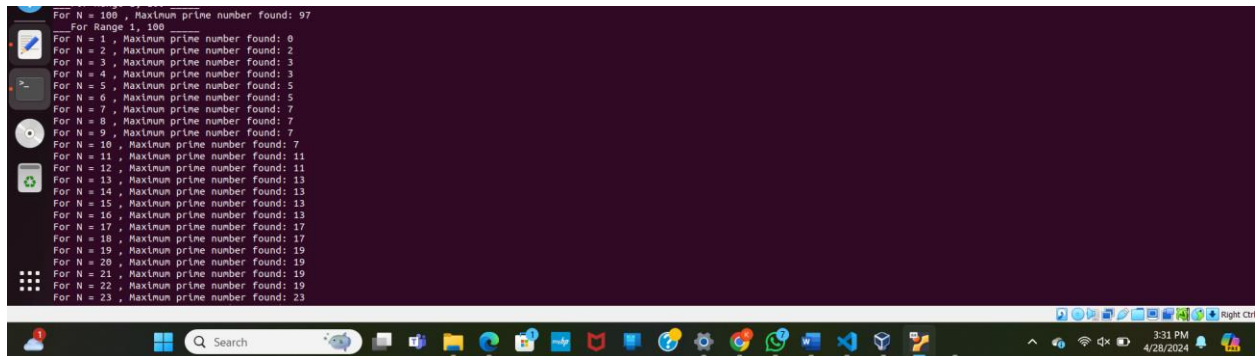


Documentation

Code running with 2 processor



Code running for range [1,100] with 2 processor:



Code running for range [1,1000] with 2 processor:

```
Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 28 15:29
vboxuser@Ubuntu: ~$
For N = 100, Maximum prime number found: 97
For Range 1, 1000
For N = 1, Maximum prime number found: 0
For N = 2, Maximum prime number found: 2
For N = 3, Maximum prime number found: 3
For N = 4, Maximum prime number found: 3
For N = 5, Maximum prime number found: 5
For N = 6, Maximum prime number found: 5
For N = 7, Maximum prime number found: 7
For N = 8, Maximum prime number found: 7
For N = 9, Maximum prime number found: 7
For N = 10, Maximum prime number found: 7
For N = 11, Maximum prime number found: 11
For N = 12, Maximum prime number found: 11
For N = 13, Maximum prime number found: 13
For N = 14, Maximum prime number found: 13
For N = 15, Maximum prime number found: 13
For N = 16, Maximum prime number found: 13
For N = 17, Maximum prime number found: 17
For N = 18, Maximum prime number found: 17
For N = 19, Maximum prime number found: 19
For N = 20, Maximum prime number found: 19
For N = 21, Maximum prime number found: 19
For N = 22, Maximum prime number found: 19
For N = 23, Maximum prime number found: 23
For N = 24, Maximum prime number found: 23
For N = 25, Maximum prime number found: 23
For N = 26, Maximum prime number found: 23
For N = 27, Maximum prime number found: 23
For N = 28, Maximum prime number found: 23
For N = 29, Maximum prime number found: 29
For N = 30, Maximum prime number found: 29
For N = 31, Maximum prime number found: 31
For N = 32, Maximum prime number found: 31
For N = 33, Maximum prime number found: 31
For N = 34, Maximum prime number found: 31
For N = 35, Maximum prime number found: 31
For N = 36, Maximum prime number found: 31
For N = 37, Maximum prime number found: 37
For N = 38, Maximum prime number found: 37
For N = 39, Maximum prime number found: 37
For N = 40, Maximum prime number found: 37
For N = 41, Maximum prime number found: 41
For N = 42, Maximum prime number found: 41
For N = 43, Maximum prime number found: 43
For N = 44, Maximum prime number found: 43
For N = 45, Maximum prime number found: 43
For N = 46, Maximum prime number found: 43
```

Code running with P=1 for range [1,100]:

```
Ubuntu [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
Activities Terminal
Apr 28 15:36
vboxuser@Ubuntu: ~$
vboxuser@Ubuntu: ~$ nprun -np 1 python3 assignment9.py
For Range 1, 100
For N = 1, Maximum prime number found: 0
For N = 2, Maximum prime number found: 2
For N = 3, Maximum prime number found: 3
For N = 4, Maximum prime number found: 3
For N = 5, Maximum prime number found: 5
For N = 6, Maximum prime number found: 5
For N = 7, Maximum prime number found: 7
For N = 8, Maximum prime number found: 7
For N = 9, Maximum prime number found: 7
For N = 10, Maximum prime number found: 7
For N = 11, Maximum prime number found: 11
For N = 12, Maximum prime number found: 11
For N = 13, Maximum prime number found: 13
For N = 14, Maximum prime number found: 13
For N = 15, Maximum prime number found: 13
For N = 16, Maximum prime number found: 13
For N = 17, Maximum prime number found: 17
For N = 18, Maximum prime number found: 17
For N = 19, Maximum prime number found: 19
For N = 20, Maximum prime number found: 19
For N = 21, Maximum prime number found: 19
For N = 22, Maximum prime number found: 19
For N = 23, Maximum prime number found: 23
For N = 24, Maximum prime number found: 23
For N = 25, Maximum prime number found: 23
For N = 26, Maximum prime number found: 23
For N = 27, Maximum prime number found: 23
For N = 28, Maximum prime number found: 23
For N = 29, Maximum prime number found: 29
For N = 30, Maximum prime number found: 29
For N = 31, Maximum prime number found: 31
For N = 32, Maximum prime number found: 31
For N = 33, Maximum prime number found: 31
For N = 34, Maximum prime number found: 31
For N = 35, Maximum prime number found: 31
For N = 36, Maximum prime number found: 31
For N = 37, Maximum prime number found: 37
For N = 38, Maximum prime number found: 37
For N = 39, Maximum prime number found: 37
For N = 40, Maximum prime number found: 37
For N = 41, Maximum prime number found: 41
For N = 42, Maximum prime number found: 41
For N = 43, Maximum prime number found: 43
For N = 44, Maximum prime number found: 43
For N = 45, Maximum prime number found: 43
For N = 46, Maximum prime number found: 43
```

Code running with P=1 for range [1,1000]:

