

```
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc -c a.c
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc a.o -o a
melih@melih-SATELLITE-L50-C:~/Masaüstü$ ./a
All prime numbers between 1 and 1.000.000 will write in the files.
Would you like to countinue?
Yes:1 No:2
Choice:
```

Firstly, the program ask the user do you want to do this.

```
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc -c a.c
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc a.o -o a
melih@melih-SATELLITE-L50-C:~/Masaüstü$ ./a
All prime numbers between 1 and 1.000.000 will write in the files.
Would you like to countinue?
Yes:1 No:2
Choice:1
```

If the user writes 1 and press enter, the program works.

```
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc -c a.c
melih@melih-SATELLITE-L50-C:~/Masaüstü$ gcc a.o -o a
melih@melih-SATELLITE-L50-C:~/Masaüstü$ ./a
All prime numbers between 1 and 1.000.000 will write in the files.
Would you like to countinue?
Yes:1 No:2
Choice:1
Please wait for calculation of prime numbers...

```

The user waits almost 2 minutes to calculations.

```
452497,00
452519,00
452521,00
452531,00
452533,00
452537,00
452539,00
452549,00
452579,00
452587,00
452597,00
452611,00
452629,00
452633,00
452671,00
452687,00
452689,00
452701,00
452731,00
452759,00
452773,00
```

```

999917,00
999931,00
999953,00
999959,00
999961,00
999979,00
999983,00
All prime numbers between 1 and 1.000.000 were written in the files.
Additionally, calculation times and writing times were written.melih@melih-SATELLITE-L50-C:~/
saüstüş

```

After that, the prime numbers are written in the files and the screen.

When the calculations are finished, the program says it is done.

```

999721,00
999727,00
999749,00
999763,00
999769,00
999773,00
999809,00
999853,00
999863,00
999883,00
999907,00
999917,00
999931,00
999953,00
999959,00
999961,00
999979,00
999983,00
Calculation time between 1 and 500.000: 18139.315000 milliseconds
Calculation time between 1 and 750.000: 38673.443000 milliseconds
Calculation time between 1 and 1.000.000: 66406.072000 second
Written time between 1 and 1.000.000: 66406.062000 milliseconds

```

Düz Metin ▼ Etiket Ge

output_prime_LiknedList.txt

CSE 108 – HW 10 – 161044072 – Melih YABAŞ

```
999667,00
999671,00
999683,00
999721,00
999727,00
999749,00
999763,00
999769,00
999773,00
999809,00
999853,00
999863,00
999883,00
999907,00
999917,00
999931,00
999953,00
999959,00
999961,00
999979,00
999983,00
Calculation time between 1 and 500.000: 22104.393000 milliseconds
Calculation time between 1 and 750.000: 47894.569000 milliseconds
Calculation time between 1 and 1.000.000: 83198.340000 milliseconds
Written time between 1 and 1.000.000: 80111.058000 milliseconds
```

Düz Metin ▼ Etiket Genişliği: 8 ▼

output_even_dynamicarray.txt