

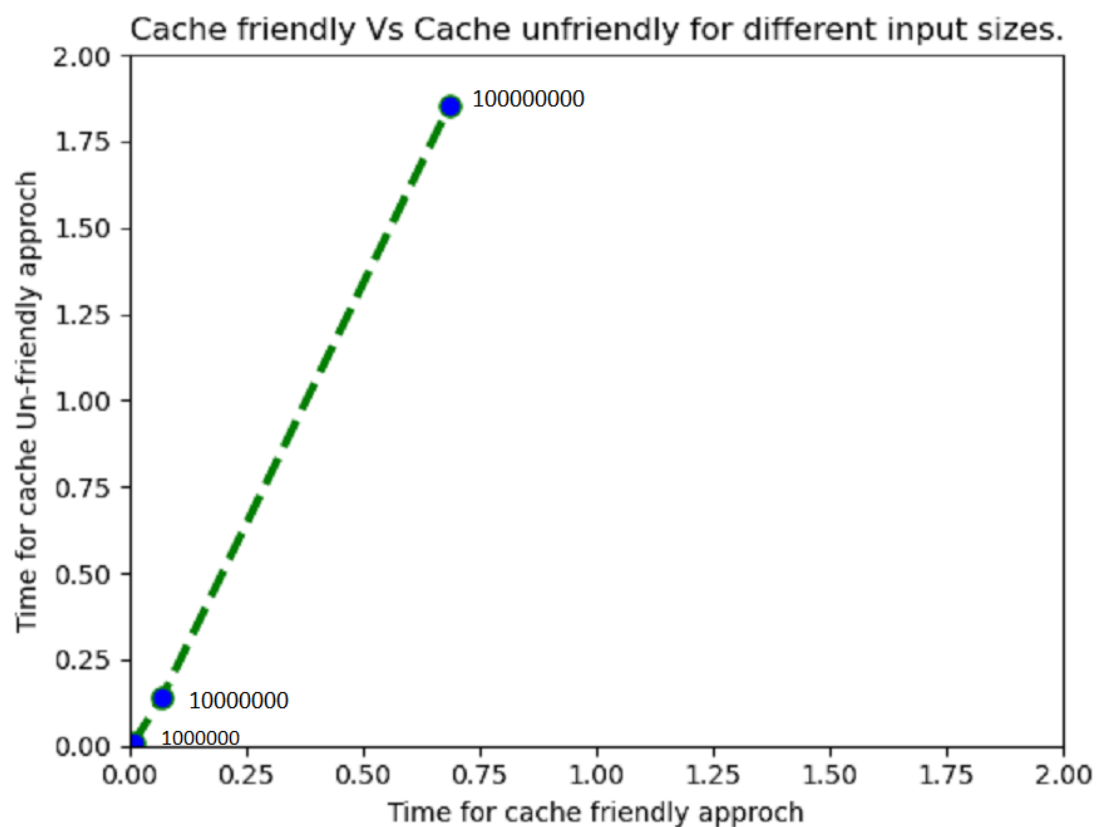
NAME: CHETHAN S

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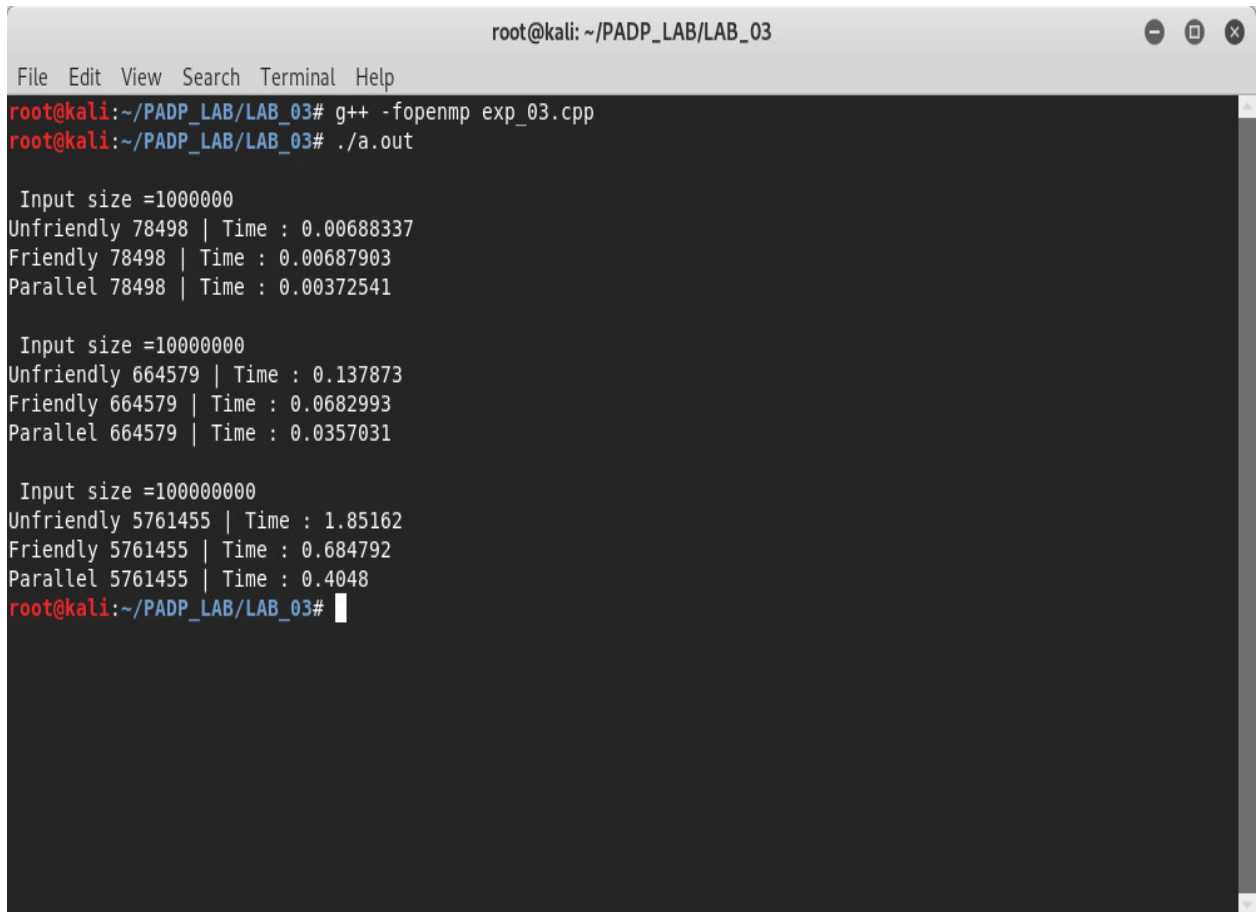
EXPERIMENT NO. 03-OUTPUT

Input size	Execution Time		
	Cache unfriendly Sieve	Cache friendly Sieve	Cache Parallel Sieve
1000000	0.00688337	0.0068703	0.00372541
10000000	0.137873	0.0682993	0.0357031
100000000	1.85162	0.684792	0.40480

Graphs: Cache friendly Vs Cache unfriendly for different input sizes.



OUTPUT SCREENSHOT:



```
root@kali: ~/PADP_LAB/LAB_03
File Edit View Search Terminal Help
root@kali:~/PADP_LAB/LAB_03# g++ -fopenmp exp_03.cpp
root@kali:~/PADP_LAB/LAB_03# ./a.out

Input size =1000000
Unfriendly 78498 | Time : 0.00688337
Friendly 78498 | Time : 0.00687903
Parallel 78498 | Time : 0.00372541

Input size =10000000
Unfriendly 664579 | Time : 0.137873
Friendly 664579 | Time : 0.0682993
Parallel 664579 | Time : 0.0357031

Input size =100000000
Unfriendly 5761455 | Time : 1.85162
Friendly 5761455 | Time : 0.684792
Parallel 5761455 | Time : 0.4048
root@kali:~/PADP_LAB/LAB_03#
```