Experiment-7

Write a CPU bound C program and I/O bound C program and observe the effect of their CPU share unity the dop command and Ita variants.

Fox CPU bound

Thelude C stdin

Thelude < tthe

Vord math (

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Clock-t Botant

double sum t

```
Dec 8 12:00

A4314 Prines Numbers Calculated A314 Prines Numbers Calculated A314 Prines Numbers Calculated A314 Prines Numbers Calculated A315 Prines Numbe
```

Start = clock(); Tht f, num =1, prime=0; white (num c=1000000)

```
f = 2°;

White ( β = num) &

if (num % i = = 0)

break;

i + + ';

if (i = = num)

Prime ++;

Prime (")
```

```
Fox I/O bound
```

Tholude 25+00, h>

Fichele CATINE.h>

That math ()

Einst J, K, n) white (1) &

> Postof ("Ender any number"); Scanf ("40d", & K);

Postof ("in Ender any ro:"))

Scanf (" of d", & 3);

n= Ko/0j')

Portof (" of od", n);

time - + saw time;

Stoud fin & time the

time (& saw time);

time tipo = local time (4 sawtime);

Portet & (" In current local time of date: % & "as time (time tigo));

Descriptions of the control of the c