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Online C Compiler - online editor

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Get CPU usage (%) in a C program - Raspberry Pi Forums

Language C

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main.c

```
1 #include <time.h>
2 #include <stdio.h>
3
4 double theseSecs = 0.0;
5 double startSecs = 0.0;
6 double secs;
7 double CPUsecs = 0.0;
8 double CPUutilisation = 0.0;
9 double answer = 0;
10 clock_t starts;
11
12 void start_CPU_time()
13 {
14     starts = clock();
15     return;
16 }
17
18 void end_CPU_time()
19 {
20     CPUsecs = (double)(clock() - starts)/(double)CLOCKS_PER_SEC;
21     return;
22 }
23
24 struct timespec tp1;
25 void getSecs()
26 {
27     clock_gettime(CLOCK_REALTIME, &tp1);
```

Input

```
main.c:66:81: warning: unknown conversion type character '\x0a' in format [-Wformat=]
66 | printf("\n Answer %10.1f, Elapsed Time %7.4f, CPU Time %7.4f, CPU Ut %3.0f%\n",
    |                                                                    ^~
```

Answer 500005.0, Elapsed Time 10.3621, CPU Time 10.1598, CPU Ut 98%

...Program finished with exit code 73
Press ENTER to exit console.