We can use time command for this purpose. The time taken is shown in three forms.

real: Total end to end time taken by program/command

user: Time taken in user mode.sys: Time taken in kernel mode

## A Command Example (Time taken by Is-I):

```
$ time ls -l
The above command runs "ls -l" and shows
contents of current directory followed by
the time taken by command "ls -l".
```

## A program example (Time taken by fib(30)):

let us consider below program.

```
#include<stdio.h>
   int fib(int n)
       if (n \ll 1)
         return n;
       return fib(n-1) + fib(n-2);
    int main ()
      printf("Fibonacci Number is %d", fib(30));
     return 0;
    }
// Compiling above program on shell
~$ qcc fib.c
// Running the generated executable with time
~$ time ./a.out
Fibonacci Number is 832040
        0m0.017s
real
        0m0.017s
user
      0m0.000s
sys
Note: 0.017 seconds (shown with real) is total
time taken by program.
```