BAHIR DAR   UNIVERSITY
BAHIR DAR INSTITUTE OF
TECHNOLOG
FACULTY OF COMPUTING

OSSP project

Year :2 nd

Department:

software engineering

Accadamic   Year :

2017E.C

Name   ID no.

Sisay Melese   1602451

Implemention of a System call gettime of day()on macOS Ventura

To implement a system call using `gettimeofday()` on macOS Ventura (or any Unix-based system), you can use C. `gettimeofday()` is part of the POSIX standard and provides the current time with microsecond precision.

Here's a basic example in C

```c
#include <stdio.h>

#include <sys/time.h>

#include <time.h>


int main() {
    struct timeval tv;
    int ret;


    // Get current time
    ret = gettimeofday(&tv, NULL);
```

```c
if (ret == 0) {

    printf("Seconds: %ld\n", tv.tv_sec);

    printf("Microseconds: %ld\n", tv.tv_usec);

} else {

    perror("gettimeofday");

}


return 0;}
```