## ADVANCED UNIX PROGRAMMING REPORT

## **ASSIGNMENT1**



TEAM 9

## 1. Answer to the questions

Write a program to verify if you can open a file with the append flag to:

(1) Read from the specific place in the file using Iseek.
Yes, as you can see, using SEEK\_END can read from the specific place in the file successfully.

(2) Write data at the specific place in the file using Iseek.

No, since if the O\_APPEND file status flag is set on the open file description, then a write(2) always moves the file offset to the end of the file, regardless of the use of Iseek().

## 2. Code implementation

First, we choose O\_RDWR to open the file since we need to perform read and write operations.

```
const char *file_path = "sample.txt";

// Open the file in read-write mode
int file_descriptor = open(file_path, O_RDWR);

if (file_descriptor == -1) {
    perror("Failed to open the file");
    return 1;
}
```

The result is output as expected.

```
/mnt/c/Users/Owner/Desktop/Advanced-UNIX-Programming/HW1 master !1

/ system Node 07:32:29 PM 94% gcc -c assignment1.c -o assignment1.o gcc -std=c11 -02 -Wall -o assignment1 assignment1.o

//mnt/c/Users/Owner/Desktop/Advanced-UNIX-Programming/HW1 master !1 ?2

/ system Node 07:57:32 PM 94% system System Node 07:57:32 PM 94% system Syste
```