

2. Identify the system calls to copy the content of one file to another and illustrate the same using a C program.

```
#include <fcntl.h>
#include <unistd.h>
#include <stdio.h>

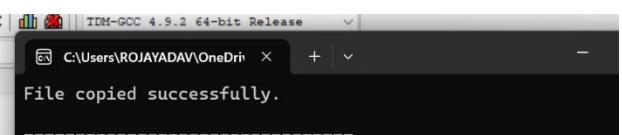
int main() {
    int s, d; char buf[1024]; int n;
    s = open("source.txt", O_RDONLY);
    d = open("dest.txt", O_WRONLY | O_CREAT | O_TRUNC, 0644);

    while ((n = read(s, buf, sizeof(buf))) > 0)
        write(d, buf, n);

    printf("File copied successfully.\n");
    close(s); close(d);
    return 0;
}
```

OUTPUT:

File copied successfully



```
C:\Users\ROJAYADAV\OneDrive\os lab 1.cpp
```

```
File copied successfully.
-----
Process exited after 6.517 seconds with return value 0
Press any key to continue . . .
```

Resources Compile Log Debug Find Results Close

Compilation results...

- Errors: 0
- Warnings: 0
Output Filename: C:\Users\ROJAYADAV\OneDrive\os lab 1.exe