

Write up for Question 2

1. To implement a system call we first need to add the system call in the `syscall_64.tbl` which we can see has clearly been done in the following image. I have defined the `kernel_2d_memcpy` as the 548 system call.
2. Now, we have to define what the syscall is actually doing and for that, we need to give the definition in `sys.c`(located under the `kernel` directory) file which contains all the definitions of system calls and i have defined the function as follows:
3. Logic of the code: first I have declared a matrix of size `row*col`. Then we copy from source to the matrix using the `copy_from_user` function and check for errors. Following that copy the matrix from `matric` to destination using `copy_to_user`.