INT 80h

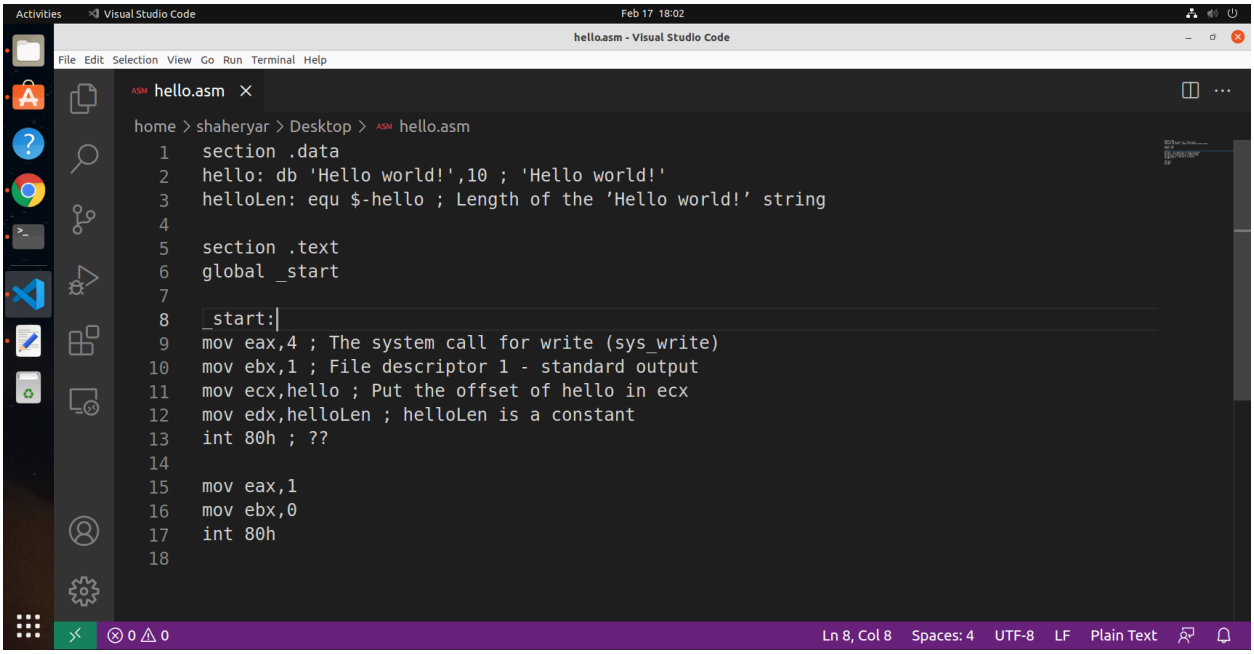
0x80/80h interrupt handler is used to make **system calls** to the kernel by other programs. The kernel is notified about system call the program wants to make by examining the value in the register (**EAX, EBX**)

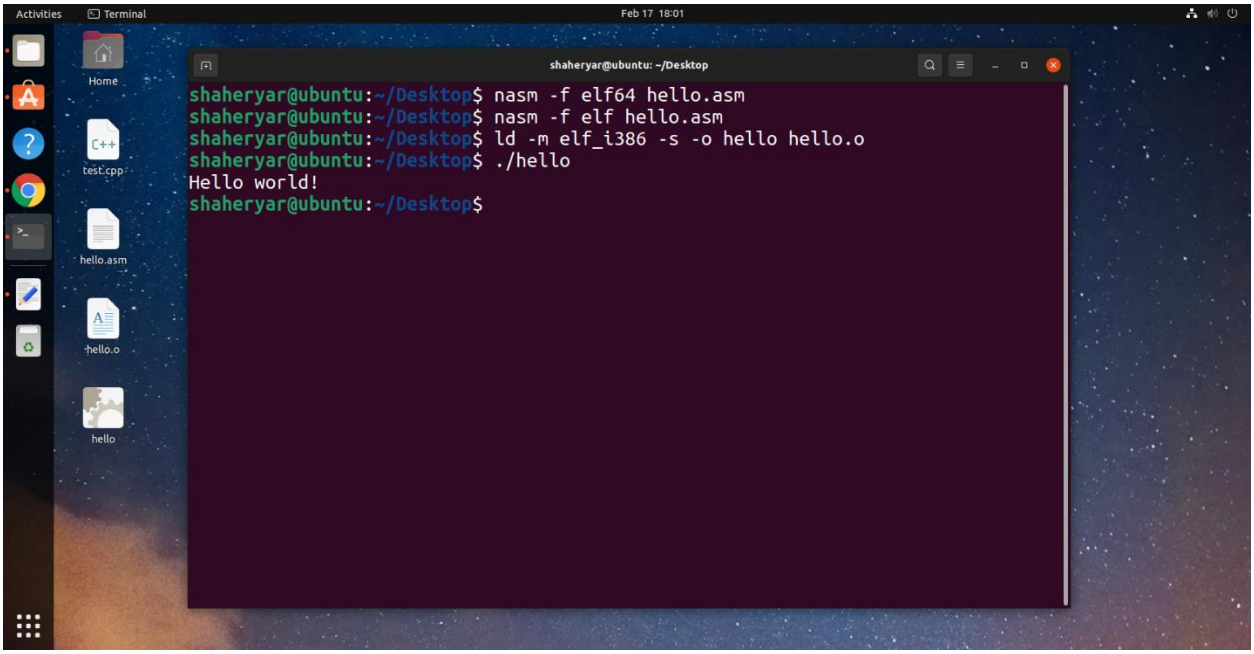
EAX=4 in case of hello.asm file which is a system call for **write mode**.

EBX=1 is used for standard output.

When we call int 80h **kernel** checks the **register** and then performs the required functions.

SCREENSHOTS




Activities
Terminal
Feb 17 18:01
Home
test.cpp
hello.asm
hello.o
hello
shaheryar@ubuntu: ~/Desktop
shaheryar@ubuntu:~/Desktop$ nasm -f elf64 hello.asm
shaheryar@ubuntu:~/Desktop$ nasm -f elf hello.asm
shaheryar@ubuntu:~/Desktop$ ld -m elf_i386 -s -o hello hello.o
shaheryar@ubuntu:~/Desktop$ ./hello
Hello world!
shaheryar@ubuntu:~/Desktop$