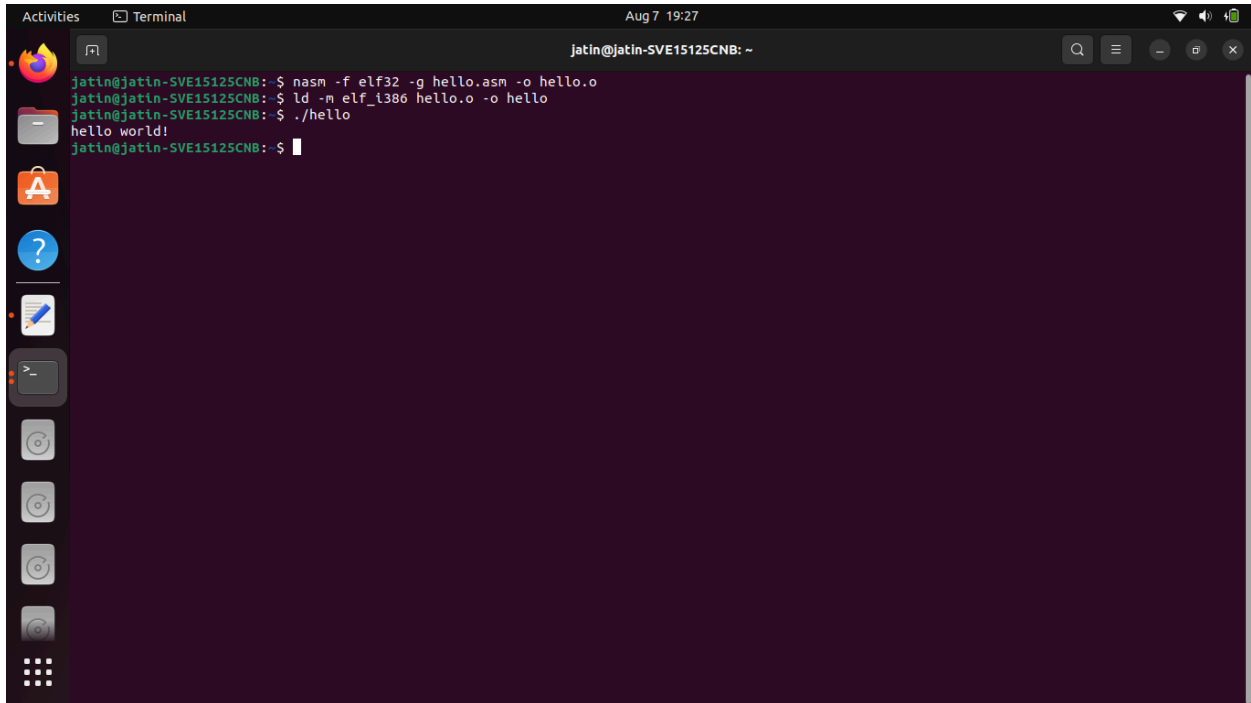
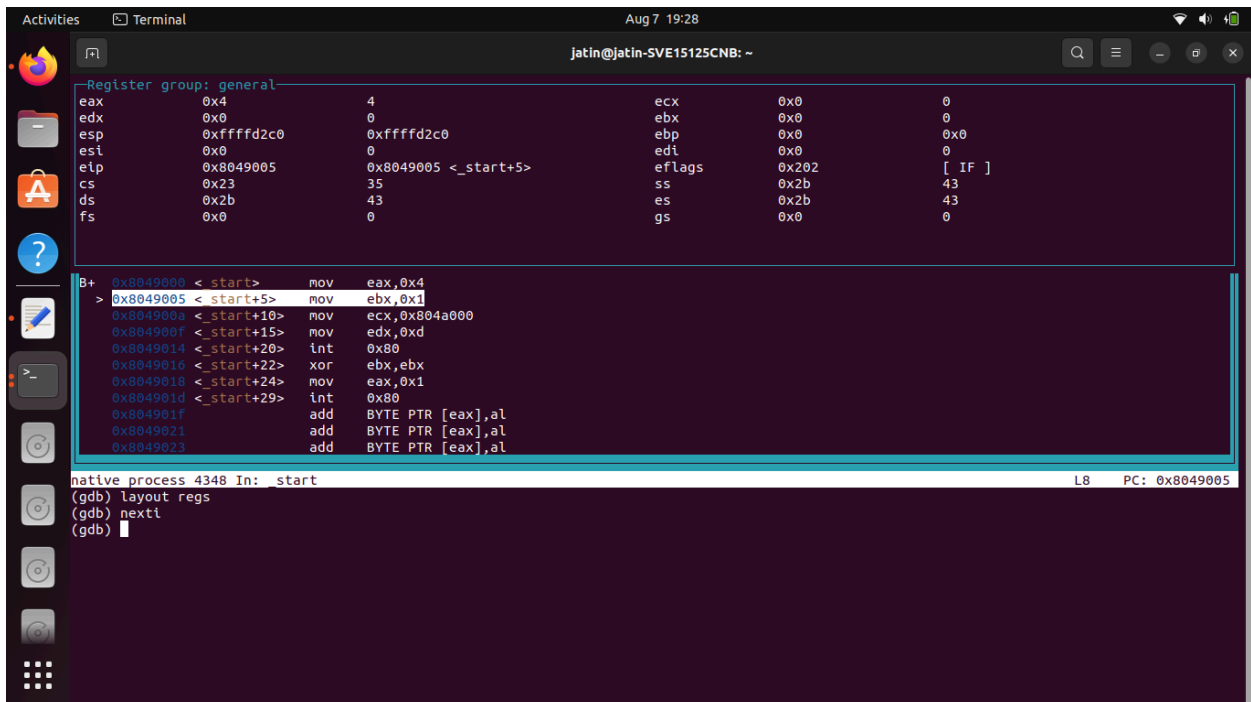


Printing "hello world!"



```
Activities Terminal Aug 7 19:27
jatin@jatin-SVE15125CNB: ~
jatin@jatin-SVE15125CNB:~$ nasm -f elf32 -g hello.asm -o hello.o
jatin@jatin-SVE15125CNB:~$ ld -m elf_i386 hello.o -o hello
jatin@jatin-SVE15125CNB:~$ ./hello
hello world!
jatin@jatin-SVE15125CNB:~$
```

Using Gdb Debugger

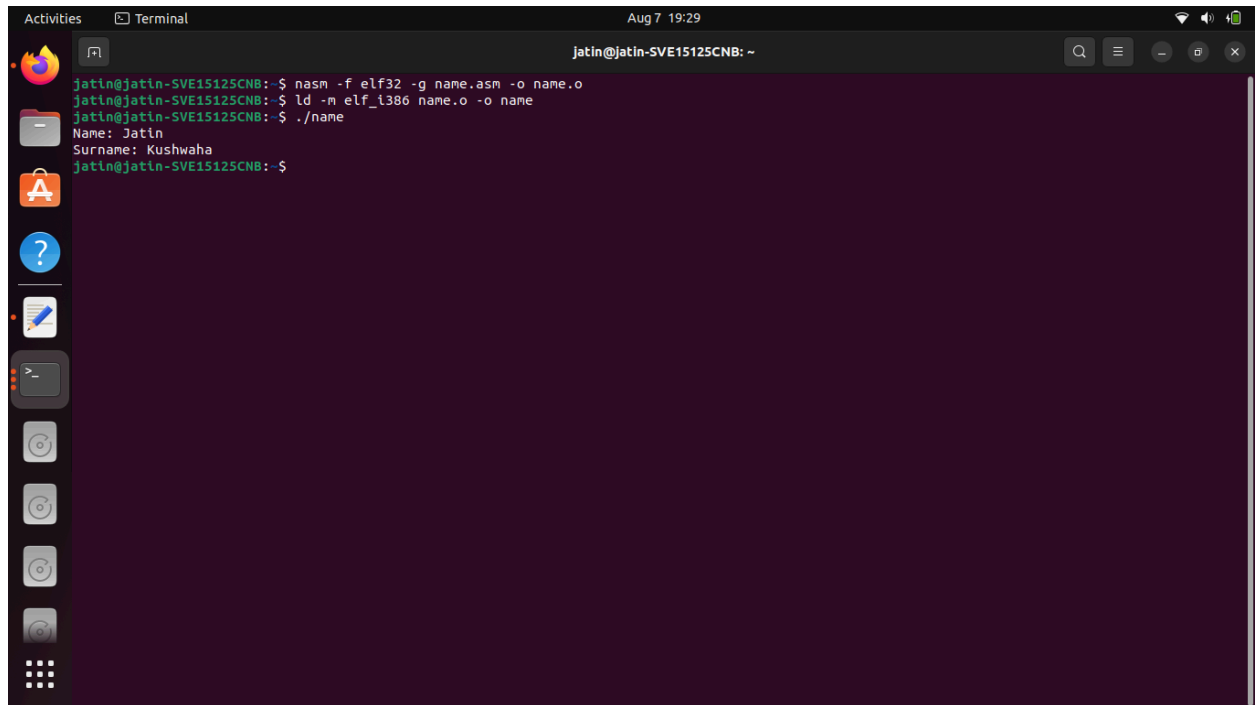


```
Activities Terminal Aug 7 19:28
jatin@jatin-SVE15125CNB: ~
Register group: general
eax      0x4          4          ecx      0x0          0
edx      0x0          0          ebx      0x0          0
esp      0xffffd2c0   0xffffd2c0 ebp      0x0          0x0
esi      0x0          0          edi      0x0          0
ebp      0x8049005     0x8049005 <_start+5> eflags   0x202          [ IF ]
cs       0x23          35          ss       0x2b          43
ds       0x2b          43          es       0x2b          43
fs       0x0          0          gs       0x0          0

B+ 0x8049000 <_start> mov eax,0x4
> 0x8049005 <_start+5> mov ebx,0x1
0x804900a <_start+10> mov ecx,0x804a000
0x804900f <_start+15> mov edx,0xd
0x8049014 <_start+20> int 0x80
0x8049016 <_start+22> xor ebx,ebx
0x8049018 <_start+24> mov eax,0x1
0x804901d <_start+29> int 0x80
0x804901f add BYTE PTR [eax],al
0x8049021 add BYTE PTR [eax],al
0x8049023 add BYTE PTR [eax],al

native process 4348 In: _start L8 PC: 0x8049005
(gdb) layout regs
(gdb) nextl
(gdb)
```

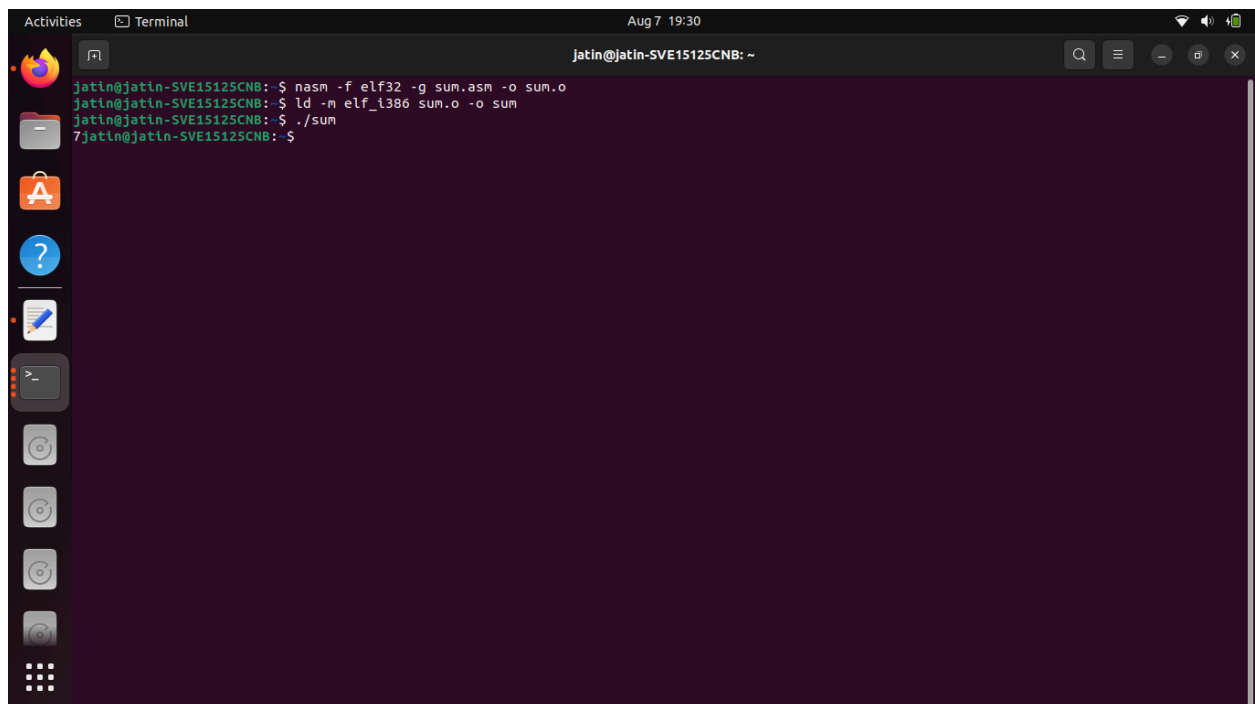
Printing multiple lines



A terminal window titled "Terminal" with the date "Aug 7 19:29" and the user "jatin@jatin-SVE15125CNB". The terminal shows the following commands and output:

```
jatin@jatin-SVE15125CNB:~$ nasm -f elf32 -g name.asm -o name.o
jatin@jatin-SVE15125CNB:~$ ld -m elf_i386 name.o -o name
jatin@jatin-SVE15125CNB:~$ ./name
Name: Jatin
Surname: Kushwaha
jatin@jatin-SVE15125CNB:~$
```

Printing sum of two numbers



A terminal window titled "Terminal" with the date "Aug 7 19:30" and the user "jatin@jatin-SVE15125CNB". The terminal shows the following commands and output:

```
jatin@jatin-SVE15125CNB:~$ nasm -f elf32 -g sum.asm -o sum.o
jatin@jatin-SVE15125CNB:~$ ld -m elf_i386 sum.o -o sum
jatin@jatin-SVE15125CNB:~$ ./sum
7
jatin@jatin-SVE15125CNB:~$
```