

vsduser@vsduser-VirtualBox: ~
Machine View Input Devices Help

Activities Terminal

Wed 11:15

vsduser@vsduser-VirtualBox: ~

File Edit View Search Terminal Tabs Help

vsduser@vsduser-VirtualBox: ~

vsduser@vsduser-VirtualBox: ~

vsduser@vsduser-VirtualBox:~\$ cat 1ton.c

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

```
int main()
```

```
{
```

```
int i,sum=0,n=10;
```

```
for (i=1 ; i<=n ; ++i)
```

```
{
```

```
sum+=i;}
```

```
printf("sum of first %d numbers is %d", n, sum);
```

```
return 0;
```

```
}vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 march=rv64i -o 1ton.o 1ton.c
```

```
riscv64-unknown-elf-gcc: error: march=rv64i: No such file or directory
```

```
riscv64-unknown-elf-gcc: error: unrecognized command line option '-O1'
```

```
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64i -o 1ton.o 1ton.c
```

```
riscv64-unknown-elf-gcc: error: unrecognized command line option '-O1'
```

```
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -O1 -mabi=lp64 -march=rv64i -o 1ton.o 1ton.c
```

```
vsduser@vsduser-VirtualBox:~$ ls -ltr 1ton.0
```

```
ls: cannot access '1ton.0': No such file or directory
```

```
vsduser@vsduser-VirtualBox:~$ ls -ltr 1ton.o
```

```
-rwxrwxr-x 1 vsduser vsduser 167512 Jan  8 10:29 1ton.o
```

```
vsduser@vsduser-VirtualBox:~$ riscv64-unknown-elf-gcc -Ofast -mabi=lp64 -march=rv64i -o 1ton.o 1ton.c
```

```
vsduser@vsduser-VirtualBox:~$ ls -ltr 1ton.o
```

```
-rwxrwxr-x 1 vsduser vsduser 167512 Jan  8 10:54 1ton.o
```

```
vsduser@vsduser-VirtualBox:~$
```

10:00:44 PM

Tuesday, January 7, 2025

January 2025

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Today



Set up your calendars to see where you need to be

Get started

Hide agenda setup

23°C Mostly cloudy

10:00 PM

1/7/2025

workshop [Running] - Oracle VirtualBox
Machine View Input Devices Help

Activities Terminal

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File Edit View Search Terminal Tabs Help

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```
vsduser@vsduser-VirtualBox:~$ gcc 1ton.c
```

```
vsduser@vsduser-VirtualBox:~$ ./a.out
```

```
sum of first 10 numbers is 55vsduser@vsduser-VirtualBox:~$
```

10:00:28 PM

Tuesday, January 7, 2025

January 2025

Su	Mo	Tu	We	Th	Fr	Sa
29	30	31	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Today



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Get started