

```
ubuntu@gdb-cpp: ~  
File Edit View Search Terminal Help  
1  
Segmentation fault (core dumped)  
ubuntu@gdb-cpp:~$ echo "Nguyen Manh Huong"  
Nguyen Manh Huong  
ubuntu@gdb-cpp:~$  
ubuntu@gdb-cpp:~$  
ubuntu@gdb-cpp:~$ gdb main  
GNU gdb (Ubuntu 9.2-0ubuntu1~20.04) 9.2  
Copyright (C) 2020 Free Software Foundation, Inc.  
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>  
This is free software: you are free to change and redistribute it.  
There is NO WARRANTY, to the extent permitted by law.  
Type "show copying" and "show warranty" for details.  
This GDB was configured as "x86_64-linux-gnu".  
Type "show configuration" for configuration details.  
For bug reporting instructions, please see:  
<http://www.gnu.org/software/gdb/bugs/>.  
Find the GDB manual and other documentation resources online at:  
  <http://www.gnu.org/software/gdb/documentation/>.  
  
For help, type "help".  
Type "apropos word" to search for commands related to "word"...  
Reading symbols from main...  
(gdb)
```

gdb sẽ hiện ra và đợi người dùng gõ lệnh. Ta cần chạy chương trình để trình gỡ lỗi có thể giúp xem điều gì sẽ xảy ra khi chương trình bị treo. Nhập run tại dấu nhắc (gdb). Đây là những gì sẽ thấy khi chạy lệnh:

(gdb) run

```
ubuntu@gdb-cpp: ~  
File Edit View Search Terminal Help  
(gdb) run  
Starting program: /home/ubuntu/main  
Creating Node, 1 are in existence right now  
Creating Node, 2 are in existence right now  
Creating Node, 3 are in existence right now  
Creating Node, 4 are in existence right now  
The fully created list is:  
4  
3  
2  
1  
  
Now removing elements:  
Creating Node, 5 are in existence right now  
Destroying Node, 4 are in existence right now  
4  
3  
2  
1  
  
Program received signal SIGSEGV, Segmentation fault.  
0x000055555555586c in Node<int>::next (this=0x0) at main.cc:28  
28      Node<T>* next () const { return next_; }  
(gdb)
```