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a.sh b.sh c.sh d.sh e.sh f.sh hello.sh lab2 unix.txt vivalinux yes.sh
[prymak@csdept ~]$ cd lab2
[prymak@csdept lab2]$ ls
circle.cpp circle.h
[prymak@csdept lab2]$ g++ circle.cpp
circle.cpp: In function 'int main()':
circle.cpp:11:58: error: no match for 'operator<' (operand types are 'std::basic_ostream<char>' and '<unresolved overloaded function type>')
    cout<<"This Program computes various metrics of a circle"<<endl; //Notify the user of
    ~~~~~^~~~~~
    what this program does
    ~~~~~^~~~~~
In file included from /usr/include/c++/8/bits/stl_algobase.h:64,
                 from /usr/include/c++/8/bits/char_traits.h:39,
                 from /usr/include/c++/8/ios:40,
                 from /usr/include/c++/8/ostream:38,
                 from /usr/include/c++/8/iostream:39,
                 from circle.cpp:1:
/usr/include/c++/8/bits/stl_pair.h:454:5: note: candidate: 'template<class _T1, class _T2> constexpr bool std::operator<(const std::pair<_T1, _T2>&, const std::pair<_T1, _T2>&)'
    operator<(const pair<_T1, _T2>& __x, const pair<_T1, _T2>& __y)
    ~~~~~^~~~~
/usr/include/c++/8/bits/stl_pair.h:454:5: note: template argument deduction/substitution failed:
circle.cpp:11:59: note: 'std::basic_ostream<char>' is not derived from 'const std:

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    operator<(const error_condition& __lhs,
    ~~~~~^~~~~~
/usr/include/c++/8/system_error:282:3: note: no known conversion for argument 1 from 'std::basic_ostream<char>' to 'const std::error_condition&'
circle.cpp:13:6: error: 'users_radus' was not declared in this scope
    cin>>users_radus;
    ~~~~~^~~~~~
circle.cpp:13:6: note: suggested alternative: 'users_radius'
    cin>>users_radus;
    ~~~~~^~~~~~
    users_radius
circle.cpp:17:42: error: request for member 'compute_area' in 'first_circle', which is of pointer type 'Circle*' (maybe you meant to use '->' ?)
    cout<<"Area of circle is:"<<first_circle.compute_area()<<endl; //calculate the area
    ~~~~~^~~~~~
    using comput_area and give results to the user
    ~~~~~^~~~~~
circle.cpp:18:83: error: no match for 'operator<<' (operand types are 'std::basic_ostream<char>::__ostream_type' {aka 'std::basic_ostream<char>'} and '<unresolved overloaded function type>')
    circumference of the circle is:"<<first_circle->compute_circumference()<<endl; // calculate the circumference and give the results to the user
    ~~~~~^~~~~~
In file included from /usr/include/c++/8/iostream:39,
                 from circle.cpp:1:

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[prymak@csdept lab2]$ vim circle.cpp
[prymak@csdept lab2]$ g++ circle.cpp
circle.cpp: In function 'int main()':
circle.cpp:14:6: error: 'users_radus' was not declared in this scope
    cin>>users_radus;
           ^^^^^^^^^^
circle.cpp:14:6: note: suggested alternative: 'users_radius'
    cin>>users_radus;
           ^^^^^^^^^^
           users_radius
circle.cpp:18:42: error: request for member 'compute_area' in 'first_circle', which
is of pointer type 'Circle*' (maybe you meant to use '->' ?)
    cout<<"Area of circle is:"<<first_circle.compute_area()<<endl;//calculate the area
using comput_area and give results to the user
                                     ^^^^^^^^^^^^^
circle.cpp:19:83: error: no match for 'operator<<' (operand types are 'std::basic_os
tream<char>::__ostream_type' {aka 'std::basic_ostream<char>'} and '<unresolved overl
oaded function type>')
    circumference of the circle is:"<<first_circle->compute_circumference()<<end;// ca
lculate the circumference and give the results to the user
                                     ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
In file included from /usr/include/c++/8/iostream:39,
from circle.cpp:1:
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<http://www.gnu.org/software/gdb/documentation/>.

For help, type "help".
Type "apropos word" to search for commands related to "word"...
Reading symbols from a.out...done.
(gdb) start
Temporary breakpoint 1 at 0x400b11: file circle.cpp, line 10.
Starting program: /home/prymak/lab2/a.out

Temporary breakpoint 1, main () at circle.cpp:10
10      first_circle = new Circle();// allocate memory for the object and call the c
onstructor
Missing separate debuginfos, use: yum debuginfo-install glibc-2.28-224.el8.x86_64 li
bgcc-8.5.0-17.el8.x86_64 libstdc++-8.5.0-17.el8.x86_64
(gdb) continue
Continuing.
This Program computes various metrics of a circle
Please enter the radius of the circle:5

Program received signal SIGSEGV, Segmentation fault.
Circle::compute_area (this=0x614eb0) at circle.h:16
16      { *area = (pi*pow(radius,2.0));return *area;};
(gdb) quit
A debugging session is active.
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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 a.out...done.
(gdb) start
Temporary breakpoint 1 at 0x400b11: file circle.cpp, line 10.
Starting program: /home/prymak/lab2/a.out

Temporary breakpoint 1, main () at circle.cpp:10
10 first_circle = new Circle();
Missing separate debuginfos, use: yum debuginfo-install glibc-2.28-224.el8.x86_64 li
bgcc-8.5.0-17.el8.x86_64 libstdc++-8.5.0-17.el8.x86_64
(gdb) continue
Continuing.
This program computes various metrics of a circle
Please enter the radius of the circle:10
Area of circle is: 314.15
The circumference of the circle is: 62.83
[Inferior 1 (process 2218977) exited normally]
(gdb) █