

William Kelley
Lab 14-ITE315

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//  
// File: lab12.sample.cpp  
// Author: wkelley2@my.athens.edu  
// Purpose:  
// Experiment with variables in C++  
//  
#include <iostream>  
using namespace std;  
const double PI = 3.14159267;  
int main()  
{  
    double radius = 0;  
    cout << "Enter a radius: " << endl;  
    cin >> radius;  
    double area = 2 * PI * radius * radius;  
    double circumference = 2 * PI * radius;  
    cout << "Radius: " << radius;  
    cout << "Circumference: " << circumference;  
    cout << "Area: " << area << endl;  
    return 0;  
}
```

```
emacs@ubuntu  
File Edit Options Buffers Tools Gud Complete In/Out Signals Help  
p p* Run Run Next Line Step Line  
Current directory is ~/school/ITE315-Scripting/Lab14/  
GNU gdb (Ubuntu 7.11.1-0ubuntu1~16.5) 7.11.1  
Copyright (C) 2016 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 lab14.sample...(no debugging symbols found)...done.  
(gdb)
```

U:*** *gud-lab14.sample* All L17 (Debugger:run [ready])
Target doesn't support non-stop mode. Turning it off.