A simple C++ Program

- 1) I will be using Atom as an editor.

 -Area and radius are user friendy and make the input file easier to understand.
- 2)./area.x runs the file in the current directory unun 1 addld «und1 inothing happened.

 I'm not sure why.

 I get ">" in the terminal
- 3) The errors are not noticed immediately because some of the code uses five that must be included at the top of code to be used later on.
- 4) a. I composed my answers to my calculator
 b. I checked to make sure the unit circue had area TU
- 5) My volume, cap worked correctly

| 6) Command | C++ code | Tython code |
|---------------|--|-------------------|
| define 17 | constaouble pi=# | Di = # |
| area equation | double area "P1 + radius + radius use "cout" | area=Pi+radius**2 |
| show output | use *cout" | use "print" |

Overflows, lunder Flows

- 1) Output becomes a out file in my PHY_905 directory and also goes into my terminal.
 - a. Single precision under flow @ one flow @
 - b. double precision under flow @ over flow @

Using a makefile

- 2) Yes, mine was successful
- 3) Also, a success

Using the GSL Scientific Lib.

- 1) Make sure they give the same output whin
- 3) Jo (3) =-0.26 0051954
- 4) MATLAB

 J= testelj (0,3)

 J= -0.2601 ✓ success!
- 5) Didn't get to this