CSCI 160 in-class exercise Tuesday Sept. 27th

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1. Show, as exactly as possible, the output from the following program 2. Identify all the bugs (syntax and logic errors) in the
assuming the data the user supplies as input is 10.0
                                                                         following program
#include <iostream>
                                                                         #include iostream>
using namespace std;
                                                                         use namespace standard;
const float Pi = 3.14;
                                                                          const float Pi = 3.14
float getDiameter();
                                                                         void displayArea(float rad);
void displayCircumf(float diam);
                                                                         lint main()
int main()
                                                                            float radius = getRadius();
   float diameter = getDiameter();
                                                                            displavArea(radisu);
   displayCircumf(diameter);
                                                                            return 0;
   return 0;
                                                                         float getRadius();
float getDiameter()
                                                                            float rad;
                                                                            cout < "Please enter the radius of your tire in cms (e.g. 25.4)";
   float diam;
   cout << "Please enter the diameter of your tire in cms (e.g. 50.8)";</pre>
                                                                            cout < endl;
  cout << endl;
                                                                            cin < rad;
  cin >> diam;
  return diam;
                                                                         void displayArea(float rad)
void displayCircumf(float diam)
                                                                            int area = pi * rad * rad;
                                                                            cout << "The area of your tire is ";
  float circumf = Pi * diam;
                                                                            cout << area << " sq cms" endl;</pre>
  cout << "The circumference of your tire is ";</pre>
  cout << circumf << " cms" << endl;</pre>
3. Write a complete C++ program (with or without functions) that
                                                                         4. Modify your program so that, although the user enters the height
prompts the user to enter the height and width of a rectangle
                                                                         and width in metres, the area is displayed in square centimetres.
(in metres) then computes and displays the area of the rectangle
in square metres.
```