

EE 1910

Dr. Johnson

Program 8

No capabilities beyond those
discussed in class or in the notes
are allowed

Write a program to calculate the volume and surface area of a box. Enter width, length, and height as floats in cm. Use the following function prototypes:

```
float calc_vol(float w, float l, float h);  
float calc_area(float w, float l, float h);
```

Turn in your code, and screenshots for values of
10 12 14, 1.5 2.4 3.3, 100 200 300

End up with something like this – check your values!

```
HW_Cons_project.exe [C/C++ Application] Z:\msoe_current\22_Q2_EE1910\Workspace_V10.f
```

```
Programming HW 8  
Welcome to Dr Johnson's functions program  
  
Please enter values for width, length, and height of your box in cm:10 12 14  
  
The volume of your box is 1680.000000 cm-cubed  
The surface are of your box is 856.000000 cm-squared  
  
Please enter values for width, length, and height of your box in cm:1.5 2.4 3.3  
  
The volume of your box is 11.880000 cm-cubed  
The surface are of your box is 32.940002 cm-squared  
  
Please enter values for width, length, and height of your box in cm:100 200 300  
  
The volume of your box is 6000000.000000 cm-cubed  
The surface are of your box is 220000.000000 cm-squared
```

Your name