fluid_conv.cpp

User manual

Program: fluid_conv.cpp

- This program allocate the fluid ounces into the various units, first starting with barrels, then gallons, and so on, finishing with tablespoons.
- To run the program double click on the file fluid_conv.exe. A console window will appear asking you to enter how many fluid ounce do you have. Enter the fluid ounce you have and press enter.
- After pressing the enter key, the program will convert and display the fluid ounces into the various units, first starting with barrels, then gallons, and so on, finishing with tablespoons.

System Manual
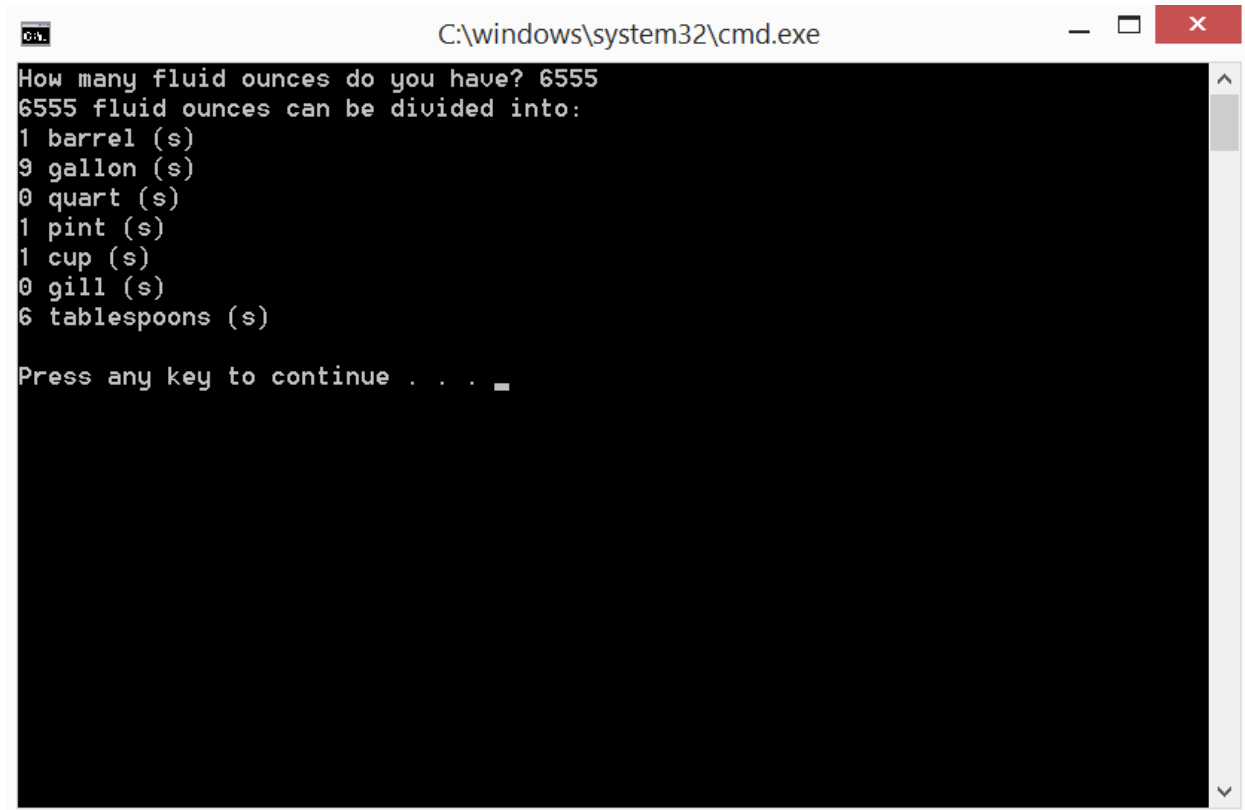
Program: fluid_conv.cpp

- This program convert the fluid ounces into the various units, first starting with barrels, then gallons, and so on, finishing with tablespoons.
- This program first ask user to enter how many fluid ounce do they have. After the user enters fluid ounce, it is stored in the integer variable named "fluid_ounces".
- The program then allocates the fluid ounces into various units based on the following expressions:

```
barrel = fluid_ounces / 5376;
fluid_ounces = fluid_ounces % 5376;

gallon = fluid_ounces / 128;
fluid_ounces = fluid_ounces % 128;

quart = fluid_ounces / 32;
fluid_ounces = fluid_ounces % 32;

pint = fluid_ounces / 16;
fluid_ounces = fluid_ounces % 16;

cup = fluid_ounces / 8;
fluid_ounces = fluid_ounces % 8;

gill = fluid_ounces / 4;
fluid_ounces = fluid_ounces % 4;

tablespoons = fluid_ounces * 2;
```

- The variables barrel, gallon, quart, pint, cup, gill and tablespoons are all of integer data type.

Test Logs

Program: fluid_convo.cpp

```
C:\windows\system32\cmd.exe

How many fluid ounces do you have? 6555
6555 fluid ounces can be divided into:
1 barrel (s)
9 gallon (s)
0 quart (s)
1 pint (s)
1 cup (s)
0 gill (s)
6 tablespoons (s)

Press any key to continue . . . _
```