## Code Flow/Flow Chart



Output "Y\_i200513\_Ammar Y\_i200830\_Salar

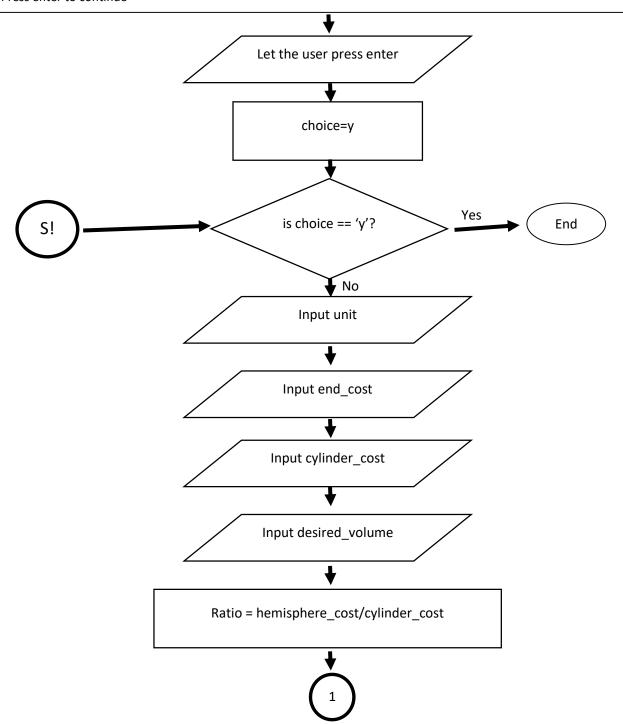
This Program was developed by Salar&Ammar Advisors inc.

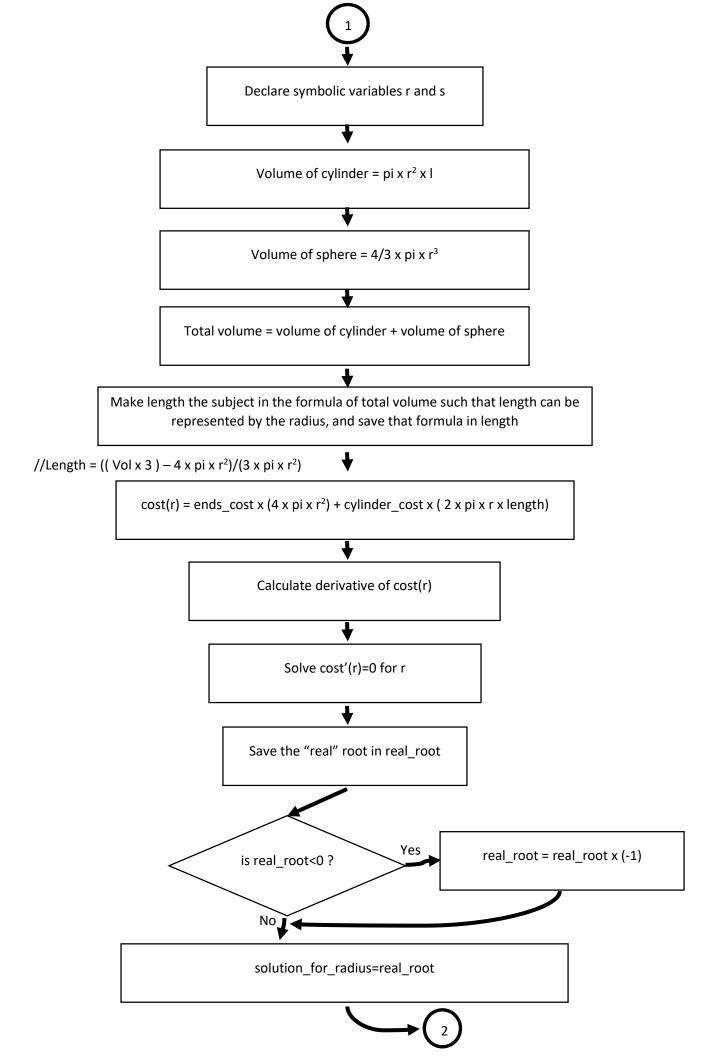
Hello and welcome to Make Your Propane Tank

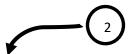
This Program will tell you the best way to make a capsule shaped propane tank with the least amount of money! Simply enter:

- 1 the amount it costs you to make end pieces of the tank
- 2 the amount it costs you to make the cylindrical part
- 3 the volume you want the tank to be

Press enter to continue"





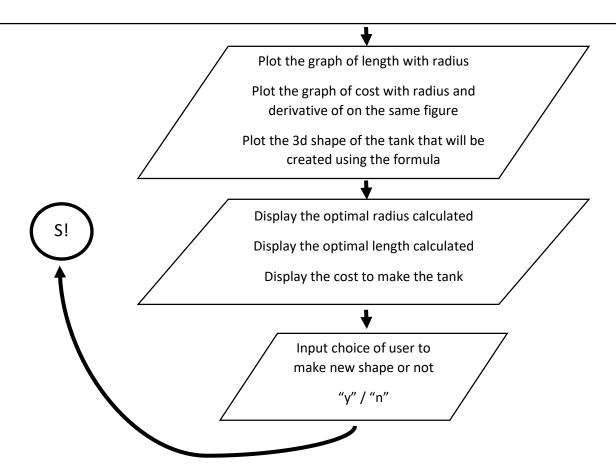


Solution\_for\_length = (substitute the variable r in the length formula for the solution of radius calculated and solve to obtain length)



## Form Equation for the tank syms x y z

 $cylinder = z^2 + y^2 + 1/4*(sqrt((x-(solution_for_length/2))^2) + sqrt((x+(solution_for_length/2))^2) - 2*(solution_for_length/2))^2 - solution_for_radius^2 + y^2 + 1/4*(sqrt((x-(solution_for_length/2))^2) + sqrt((x+(solution_for_length/2))^2) - 2*(solution_for_length/2))^2 - solution_for_radius^2 + y^2 + 1/4*(sqrt((x-(solution_for_length/2))^2) + sqrt((x+(solution_for_length/2))^2) + sqrt((x+(solution_for$ 



Names of Students

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