9/8/23 LCA-I

Q 1. Volume Specify data requirment, Formulas and algorithm for the problem statement. that converts volume in milliliters to litres

Algorithm.

1. Input – volume in ml
2. Output – volume in liter.
3. Formula = 1 liter = ~~0.00~~ 0.001 ~~1000~~ militer

$$1 \text{ liter} = \frac{ml}{1000}$$

4. 1) Start
   2) Get Vol. in ml
   3) Calculate, liter = $\frac{ml}{1000}$
   4) display the volume in liter
   5) Stop.

Q 2. Find the ~~area~~ ~~fo~~ of circle of radius r.

1. Input – Find areda of circle of radious r
2. Output – Area of Circle
3. Formula = $A = \pi r^2$

$$= 3.14 \times r^2$$

4. 1) Start
   2) Get ~~Area~~ radious.
   3) Calculate Area = πr^2
   4) Display Area
   5) Stop

33.8

Q3. Convert temperature of Fahrenheit to Celsius

1. Input - ~~Find~~ Convert temperature into Celsius
2. Output - temperature ~~into~~ in Celsius
3. formula: $1°C = 33.8°F$

4. 1) Start
   2) Get Temperature in Fahrenheit
   3) Calculate Temperature
   4) Display Temp in Celsius
   5) Stop

Q4. Find the average of entered three nos.

1) Input - enter three nos.
2) Output - Average
3) formula - $Avg = \frac{n1 + n2 + n3}{3}$

4) ① Start
   ② Get Average
   ③ Calculate average
   ④ Display Average
   ⑤ Stop

Satyam
16/3/2023