

Program 2:

1. Obtain what speed the user wants to convert in MPH.
2. Convert Miles per hour to knots by multiplying the value of MPH by 0.868976
3. Finalize the answer

Program 3:

1. Obtain how many miles per gallon for a vehicle
2. In order to change the units, multiply by the following:
 - a. $\text{Mi/Gal} * 1.609 \text{ KM/Mi}$
 - b. $\text{Answer to a} * .264 \text{ Gal/Litre}$
 - c. $1 / \text{Answer to b}$
3. Finally multiply by 100 to get the units of litre / 100km
4. Finalize the answer

Program 4:

1. Obtain what the Tiles side length is in inches and what the length of the wall in feet
2. Convert inches to feet, vice-versa, for the calculation (1 foot = 12 inches)
3. Then divide the length of the wall in feet by Tile's side length (rounding down to whole number)
4. Use the remainder calculation to find the remaining feet; multiply by 12 to convert back to inches
5. Show the answer

Program 5:

1. Obtain how long the user wants to run AND the distance of the track
2. Divide the distance by the distance of the track, rounding to the smallest whole number
3. Using the answer in part 2, add one
4. Display the answer