Lab Exercises

1. Create a function which accepts a number as temperature in degrees Fahrenheit and returns the temperature in Celsius

$$C = (F - 32) * \frac{5}{9}$$

2. Create a function which accepts a numeric variable(input)and outputs its coefficient of variation with formula: (SD / mean) *100

3. Create a function which can impute the missing values in a numeric vector by mean. That means, the function should take a numeric vector as an argument and return a numeric vector in which NA values will be found imputed. e.g.

```
> g <- c(9.34,8.24,NA,1.345,0.56,0,NA,7.89)
> imputeMean(g)
[1] 9.3400 8.2400 4.5625 1.3450 0.5600 0.0000 4.5625 7.8900
```