1a) Please note that the function `WaterCharge` can use both scalars as well as arrays for the inputs `kgal` and `mo`. When these inputs are scalars then the output `bill` is also scalar which represents the water bill for the customer for a single month. However, when `kgal` and `mo` are arrays (of the same dimension) the output `bill` is supposed to be an array also of the same dimension as the array inputs. In this case, the i-th element of `bill` is the calculated water charge for a water consumption represented by the i-th element of `kgal` for the month represented by i-th element of `mo`. An example of such a case is shown below:

```
>> bill=WaterCharge(0.75,3,[45 63 15 27],[3 6 11 1])

bill =

  331.8300   456.7500   107.3500   184.7500
```

1b) The example shown in the problem description is exactly that—an example. It is for a test data which is not available to you. Do not try to reproduce these numbers with the data that has been provided to you.

1c) I missed to include in the problem description the information about the meter size for customer 3.

The meter size for customer 3 is 1.5 inch.

Also, the problem description asks you to:

'Average kgal usage & charge for each season'
However, the output currently shown does not reflect that. Please show both the average bill and the average water usage for both seasons. Also add the units ($ for the bill and kgal for the consumption) in your printed statements. Accordingly, the following is what your results should exactly look like (the changes are highlighted):

```
Summer billing:
 Month    Usage     Bill
 =====    =====     ====
March     26.00    $174.16
April     57.00    $396.94
May       85.00    $593.64
June      71.00    $496.48
July      69.00    $482.60
August    55.00    $382.53


Average summer bill = $421.06
Average summer consumption = 60.50 kgal
```

```
Winter billing:
  Month        Usage      Bill
  =====        =====      ====
September     48.00     $315.76
October       35.00     $231.91
November      22.00     $155.56
December      25.00     $169.51
January       17.00     $132.31
February      21.00     $150.91

Average winter bill = $192.66
Average winter consumption = 28.00 kgal
```

The bar plot remains the same.