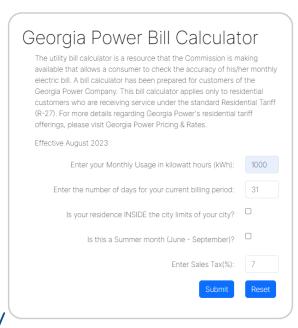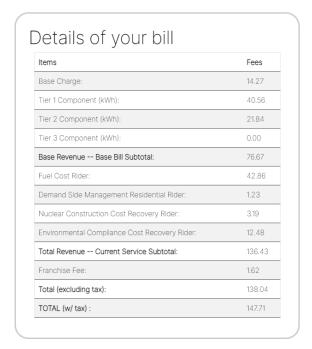1.   Your target for this assignment is to create Georgia Power Bill calculator that lets the user enters the monthly usage , and then calculate the monthly power bill.

2.   Here are grading rubrics/specifications for BMI calculator.
   - ☑ Name your file powerbill.html
   - ☑ In the assignment section of your index.html document, create a link which links to this document "powerbill.html".
   - ☑ Create the interface similar to the following screenshot.

Georgia Power Bill Calculator

The utility bill calculator is a resource that the Commission is making available that allows a consumer to check the accuracy of his/her monthly electric bill. A bill calculator has been prepared for customers of the Georgia Power Company. This bill calculator applies only to residential customers who are receiving service under the standard Residential Tariff (R-27). For more details regarding Georgia Power's residential tariff offerings, please visit Georgia Power Pricing & Rates.

Effective August 2023

Enter your Monthly Usage in kilowatt hours (kWh):	1000
Enter the number of days for your current billing period:	31
Is your residence INSIDE the city limits of your city?	☐
Is this a Summer month (June - September)?	☐
Enter Sales Tax(%):	7

Submit   Reset

Details of your bill

Items	Fees
Base Charge:	14.27
Tier 1 Component (kWh):	40.56
Tier 2 Component (kWh):	21.84
Tier 3 Component (kWh):	0.00
Base Revenue -- Base Bill Subtotal:	76.67
Fuel Cost Rider:	42.86
Demand Side Management Residential Rider:	1.23
Nuclear Construction Cost Recovery Rider:	3.19
Environmental Compliance Cost Recovery Rider:	12.48
Total Revenue -- Current Service Subtotal:	136.43
Franchise Fee:	1.62
Total (excluding tax):	138.04
TOTAL (w/ tax) :	147.71

   - ☐ JavaScript function that read inputs and calculate the monthly bill amount.
      - ☐ Read inputs --- Monthly Usage, Days for the bill, inside city or not, Summer or Winter, Taxrate
      - ☐ Convert input(Monthly Usage/Days/Tax) to float type.
      - ☐ Follow the following steps to perform the calculations.
         - ▪ Base Charge: **46.03¢/day**
         - ▪ Tier 1,2,3 Charge:
            Summer Rate Schedule
Tier	Usage	Cost per kWh
1st tier	up to 650kWh	$ 0.066678
2nd tier	next 350kWh	$ 0.110748
3rd tier	over 1000kWh	$ 0.114625

            Winter Rate Schedule
Tier	Usage	Cost per kWh
1st tier	up to 650kWh	$ 0.062404
2nd tier	next 350kWh	$ 0.062404
3rd tier	over 1000kWh	$ 0.062404
         - • Base Revenue – Base Bill Sub total = base charge + tie1 + tie2 + tie 3
         - • Fuel Cost Rider:

	June - Sept.	Oct. - May
Cost Per kWh	$ 0.045876	$ 0.042859

- Demand Side Management Residential Rider
  % of Base Revenue   1.5989%

- Nuclear Construction Cost Recovery Rider

  % of Base Revenue   4.1562%

- Environmental Compliance Cost Recovery Rider
  % of Base Revenue   16.2813%

- Total Revenue = Base Revenue + Fuel Cost + Demand Side Management + Nuclear Cost Recovery+ Environmental Compliance

- Franchise Fee

	Inside City Limits	Outside City Limits
% of Total Revenue	3.0674%	1.1839%

- Total (before tax) = Total Revenue + Franchise Fee

□ Display all the required values. Keep two decimal places.
□ Open a new page https://www.georgiapower.com/residential/save-money-and-energy/products-programs.html   if the total bill is over $500.

☑ Before you submit your file, be sure to check this checklist.
☑ To submit:
  o Upload your files to GitHub.
  o Please turn in this page with items checked to instructor on due date.