**Financial Calculator**

This calculator can track income and expenses and also calculate investment returns with monthly contribution

Why? : I want to encourage people to do financial budget and also do investment with excess money by doing a calculator for people to have a website to do it.

HTML

I separate the website into 3 parts. In the 1st part, I set a div for it as I will have two form in it and I want both the form vertical align.

The 1st part is for user to record their expenses and income, then the 2nd part is to display the data in a organize way(example. having important data at the top part and transaction display bottom part.

The 3rd part is for investment and there is different input for user to enter the data. There are 3 option for user based on their reference which is annually invest, quarterly invest and monthly invest.

CSS

Choose to use rem instead of px and em is because px is absolute but rem is relative, and em is relative to its parents which will be sometimes confusing but rem is direct relative to html roots which is 16px.

Javascript

I split my javascript into two parts. 1st one is for tracking and calculate all the expenses and income. My idea was to do function that will push the amount to the total part for calculation and also the description & amount together being recorded at the bottom part of 2nd form.

For 2nd part is the 3rd form for the investment calculator. To keep it simple I just implement this formula *FV*=*P*×(1+*nr*​)*nt*+*PMT*×(*nr*​(1+*nr*​)*nt*−1​) into code and defined all the values into their corresponding input.

o Reference list:

OpenAI's ChatGPT AI language model, April 3, 2024.

Bro Code (Youtube)

1. I have used ChatGPT and Youtube to self-learn Event-listener and .map and event.prevent default
2. For the formula I used ChatGPT to find it out for me and I change it into code by myself (with handwriting draft proof)