

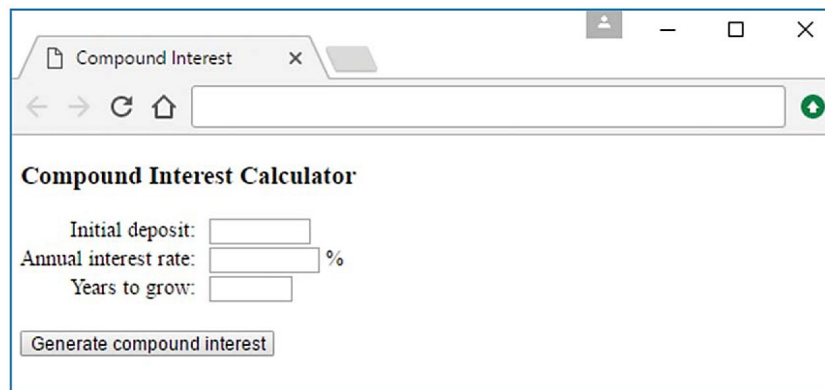
## Coding Question – Create Table Using JS:

(10 marks)

You are planning to open a saving account that pays annual interest. Depending on the amount of your money and the number of years you keep your saving account, the bank offers different interest rates. Your task is to:

- I) create a JavaScript program that receive your data through a form and generate a table of compound interests for the years that you keep your account.
- II) Push your code to Github
- III) Create a Github Page (hosted in github)

Your data collection Form looks like the image below:



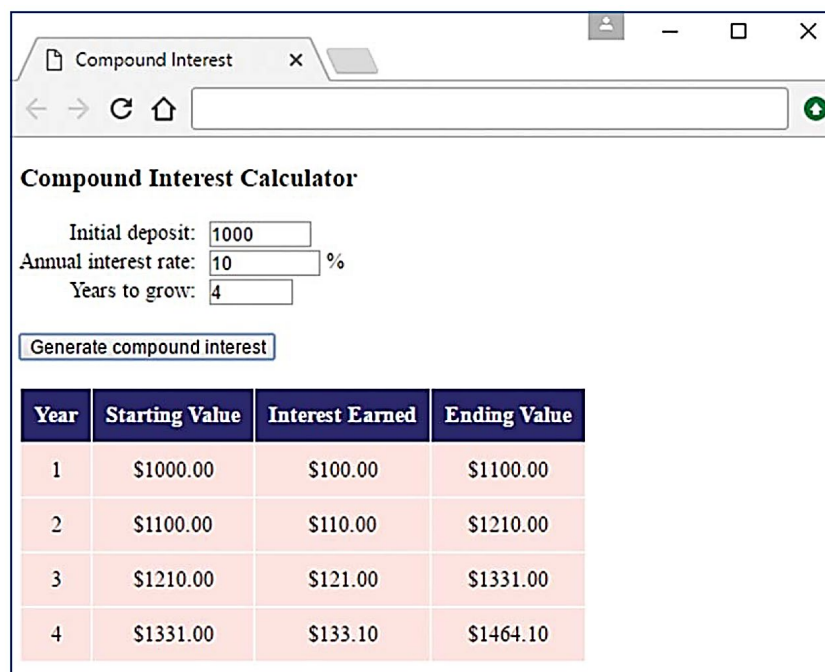
Compound Interest Calculator

Initial deposit:

Annual interest rate:  %

Years to grow:

By clicking on the button “Generate compound interest”, your program generates a table showing the “Start Value”, “Interest Earned” with the year, and “End Value” of the year, similar to the image below:



Compound Interest Calculator

Initial deposit:

Annual interest rate:  %

Years to grow:

Year	Starting Value	Interest Earned	Ending Value
1	\$1000.00	\$100.00	\$1100.00
2	\$1100.00	\$110.00	\$1210.00
3	\$1210.00	\$121.00	\$1331.00
4	\$1331.00	\$133.10	\$1464.10

The form page, CSS and JavaScript File to start the page is provided. Your task is to complete the JavaScript to generate the table as shown above.

You only need to complete the JavaScript file where the following comment is:

```
// ---> Write your code here to generate the table and show it in the page
```

The formula for calculation of interest in each year is

```
interest = (amount * rate) / 100;
```

this amount is added to the start value for the year and is recorded in the “Ending Value” column, and “Starting Value” of next year, and is repeated for the number of years given in the Form.

Submit links to your Github repository and Github Page.

Rubric:

Generating Table that contains data – 5 marks

Proper Table and Number formats – 2 marks

Link to Github repository – 1 mark

Link to Github Page – 2 marks (link must be active and program must work)