Deliverable :

1. Javascript file for each of the three program with names : Lab4_P1.js Lab4_P2.js and Lab4_P3.js etc

2. Screen shot of the code and output in Lab report .

3. Each question carry 20 marks.

1. The Fortune Teller: Why pay a fortune teller when you can just program your fortune yourself?

- Write a function named `tellFortune` that:
  - takes 4 arguments: number of children, partner's name, geographic location, job title.
  - outputs your fortune to the screen like so: "You will be a X in Y, and married to Z with N kids."
- Call that function 3 times with 3 different values for the arguments.

Here is the sample output :

You will be a bball player in spain and married to Shaq with 3 kids.

You will be a stunt double in Japan and married to Ryan Gosling with 2 kids.

You will be a Elvis impersonator in Russia and married to The Oatmeal with 0 kids.

2. Ever wonder how much a "lifetime supply" of your favorite snack is? Wonder no more!

- Write a function named `calculateSupply` that:
  - takes 2 arguments: age, amount per day.
  - calculates the amount consumed for rest of the life (based on a constant max age).
  - outputs the result to the screen like so: "You will need NN to last you until the ripe old age of X"
- Call that function three times, passing in different values each time.

You can use the formula : totalNeeded = (`numPerDay` * `365`) * (`maxAge` - `age`)

Find the sample run below :
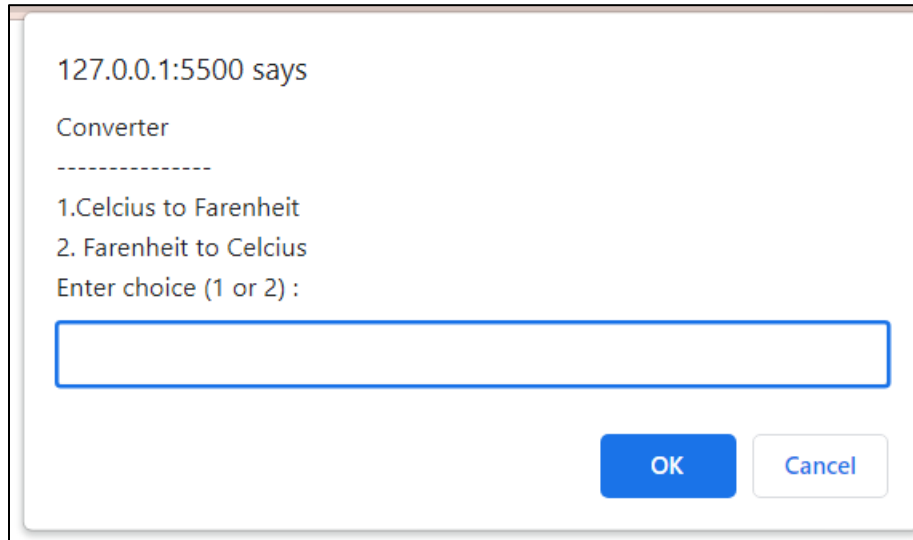
After Calling the function :

```
calculateSupply(28, 36);
calculateSupply(28, 400);
```

You will need 946080 cups of tea to last you until the ripe old age of 100

You will need 10512000 cups of tea to last you until the ripe old age of 100

3 . Create a Temperature calculator which should convert Celsius to Fahrenheit or Fahrenheit to Celsius as per the user requirement.

It should display the choices to the user to choose from and work accordingly as shown in the screen shot :

a) Use the prompt function to seek the user input .

b) Create a function called `celsiusToFahrenheit`:

- Store a celsius temperature into a variable.
- Convert it to fahrenheit and output "NN°C is NN°F".
- Use alert instead of console.log to display the result

c) Create a function called `fahrenheitToCelsius`:

- Now store a fahrenheit temperature into a variable.
- Convert it to celsius and output "NN°F is NN°C."

Find the sample run below :

127.0.0.1:5500 says

Converter

1.Celcius to Farenheit
2. Farenheit to Celcius
Enter choice (1 or 2) :

OK   Cancel

127.0.0.1:5500 says

Enter celcius

100

OK   Cancel

127.0.0.1:5500 says

100°C is 212°F

OK

Rubric :

Question 1: The Fortune Teller (20 Marks)

Criteria	Exemplary (4 pts)	Proficient (3 pts)	Basic (2 pts)	Limited (1 pt)	Not Attempted (0 pt)
Function Definition	Function correctly defined with 4 arguments.	Function defined with some issues.	Function defined with major issues or missing arguments.	Function not defined.	Function not defined.
Function Output	Function correctly generates and displays fortunes.	Function generates fortunes with minor issues.	Function generates fortunes with major issues.	Function does not generate fortunes.	Function does not generate fortunes.
Function Calls	Three function calls with different arguments are made and provide correct output.	Three function calls are made but with minor issues.	Three function calls are made but with major issues.	Less than three function calls made.	Function calls are missing.

Question 2: Lifetime Supply (20 Marks)

Criteria	Exemplary (4 pts)	Proficient (3 pts)	Basic (2 pts)	Limited (1 pt)	Not Attempted (0 pt)
Function Definition	Function correctly defined with 2 arguments.	Function defined with some issues.	Function defined with major issues or missing arguments.	Function not defined.	Function not defined.
Function Output	Function correctly calculates and displays the lifetime supply.	Function calculates the supply with minor issues.	Function calculates the supply with major issues.	Function does not calculate the supply.	Function does not calculate the supply.
Function Calls	Three function calls with different arguments are made and provide correct output.	Three function calls are made but with minor issues.	Three function calls are made but with major issues.	Less than three function calls made.	Function calls are missing.

Question 3: Temperature Calculator (20 Marks)

Criteria	Exemplary (4 pts)	Proficient (3 pts)	Basic (2 pts)	Limited (1 pt)	Not Attempted (0 pt)
Function Definitions	Functions **celsiusToFahrenheit** and **fahrenheitToCelsius** are correctly defined.	Functions defined with some issues.	Functions defined with major issues.	Functions not defined.	Functions not defined.

Criteria	Exemplary (4 pts)	Proficient (3 pts)	Basic (2 pts)	Limited (1 pt)	Not Attempted (0 pt)
User Input and Choice	User input is correctly taken using **prompt**. User choice is correctly implemented.	User input is taken with minor issues. User choice is partially implemented.	User input is taken with major issues. User choice is missing.	User input and choice not implemented.	User input and choice not implemented.
Celsius to Fahrenheit Conversion	Celsius to Fahrenheit conversion correctly implemented and displayed.	Conversion implemented with minor issues.	Conversion implemented with major issues.	Conversion not implemented.	Conversion not implemented.
Fahrenheit to Celsius Conversion	Fahrenheit to Celsius conversion correctly implemented and displayed.	Conversion implemented with minor issues.	Conversion implemented with major issues.	Conversion not implemented.	Conversion not implemented.
Function Calls	Function calls are correctly made based on user choice and provide correct output.	Function calls made with minor issues.	Function calls made with major issues.	Function calls are missing.	Function calls are missin