**FNOP Assignment 3**

Pseudocode:

Step 1: Declare the variables “a”, “b”, and “c”

Step 2: Prompt user for inputs “a” and “b”

Step 3: Get the inputs of “a” and “b”.

Step 4: Pass the values of “a” and “b” to function called “hypotenuse () ”

Step 5: Inside the function, calculate the hypotenuse using:

* Find the square of “a”
* Find the square of “b”
* Add the value of “a” and “b”. Then square root the resultant value.
* Store the final result in variable “c’
* Retum the value of “c’

Step 6: Print the resultant value.

JAVASCRIPT CODE:-

const a = prompt("enter the length of side a");

const b = prompt("enter the length of side b");

const findHypotenuse = (base, perpendicular) => {

const bSquare = base \*\* 2;

const pSquare = perpendicular \*\* 2;

const c = bSquare + pSquare;

const hypotenuse = Math.sqrt(c);

return hypotenuse;

};

console.log(“The hypotenuse of the triangle is :” + findHypotenuse(a, b));