

## Seatwork

### My First Function

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### 6. Output

#### [ Code ]

```
1 #include <iostream>
2 using namespace std;
3
4 void greetUser();
5 int perimComp (int length, int width); //Perimeter Computation
6
7 int main() {
8
9     greetUser();
10
11    int length, width, result;
12
13    cout << "Please Input a Length Value ==> ";
14    cin >> length;
15    cout << "Please Input a Width Value ==> ";
16    cin >> width;
17
18    result = perimComp(length, width);
19
20    cout << "\nThe Perimeter is: " << result << endl;
21
22 }
23
24 void greetUser() {
25     cout << "\n[ Welcome to the Rectangle Perimeter Computation ]\n" << endl;
26 }
27
28 int perimComp (int length, int width) {
29     int perimeter = 2 * (length + width);
30     return perimeter;
31 }
```

#### [ Output/s ]

```
[ Welcome to the Rectangle Perimeter Computation ]  
  
Please Input a Length Value ==> 10  
Please Input a Width Value ==> 10  
The perimeter is: 40  
  
-----  
Process exited after 4.853 seconds with return value 0  
Press any key to continue . . .
```

```
[ Welcome to the Rectangle Perimeter Computation ]  
  
Please Input a Length Value ==> 350  
Please Input a Width Value ==> 120  
  
The Perimeter is: 940  
  
-----  
Process exited after 4.231 seconds with return value 0  
Press any key to continue . . .
```

### [ Analysis ]

⇒ In this activity, we are tasked to create our first function. We used functions containing parameters in declaring variables, process computations. In line 4-5, we declared the variables and parameters that we will be using with regards to storing and computing the value length and width, and at the same time, a greetings function.

In line 24 to 31, We can see the function that will be declared in terms of executing the variable later inside the main function. Void greetings will only output the greeting function, it is declared as “**greetings();**” in the main function in order for it to print out. Meanwhile, the variable “**“perimComp”** holds the function of the computations of the perimeter once our recipient inputs the length and width value, and returns it.

Lastly, the most basic part compared to all of the parameters and functions, in the main function, we will just have to create a function that will take the recipient's length and width value. In the main function, we will also declare the parameters declared outside the function, such as the **“greetings();”**. Not to forget, in line 18, we declared result to our computation function of the perimeter called, “**“perimComp”** to return the computation value and to display it.

## 7. Supplementary Activity

## 8. Conclusion