Seatwork No. 5.1	
My First Functions	
Course Code: CPE007	**Program:** Computer Engineering
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6. Output	

Code :

[*] SeatworkFinals.cpp

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

Code Output :

```
C:\Users\NathanieL\Documents\SeatworkFinals.exe
Hello, Welcome to the Perimeter Computation!!
Please Input a Length
30
Please Input a Width
100
The Perimeter is:
260


--------------------------------
Process exited after 4.015 seconds with return value 0
Press any key to continue . . .
```

Code Analysis :

I started the C++ Program with a header file of #include <iostream> for the code outputs and its functionality since this will be used for user inputs and printing. Then, I implemented using namespace std; to avoid the redundancy of “std” usage. Before I started the main function, I made two (2) functions declared as void greetUser(); and int perimComp (In short of Perimeter Computation) then Inside its parenthesis is that I implemented int length and width as this will be used for the Computation. Then on the first function voidGreet I didn’t use any return value as it's a welcoming message to the user. But, for the second function which is the perimComp I used it, because it requires two integers (length and width) before returning to the computation of the perimeter. Inside the main() function, I made the program to first call the user by using greetUser() to show a friendly greeting message. After that, it declares three integer variables named length, width, and result. The program then asks the user to input the values for the rectangle’s length and width. Once the user enters these values, the program calls the perimComp(length, width) function and stores the returned perimeter value in the variable result. The perimComp() function performs the actual computation by applying the perimeter formula: Perimeter=2*(length+width). This value is then returned to the main() function. Finally, the program outputs the computed perimeter on the screen.

7. Supplementary Activity

8. Conclusion