Seatwork: My First Function	
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Course Code: CPE007	**Program:** Computer Engineering
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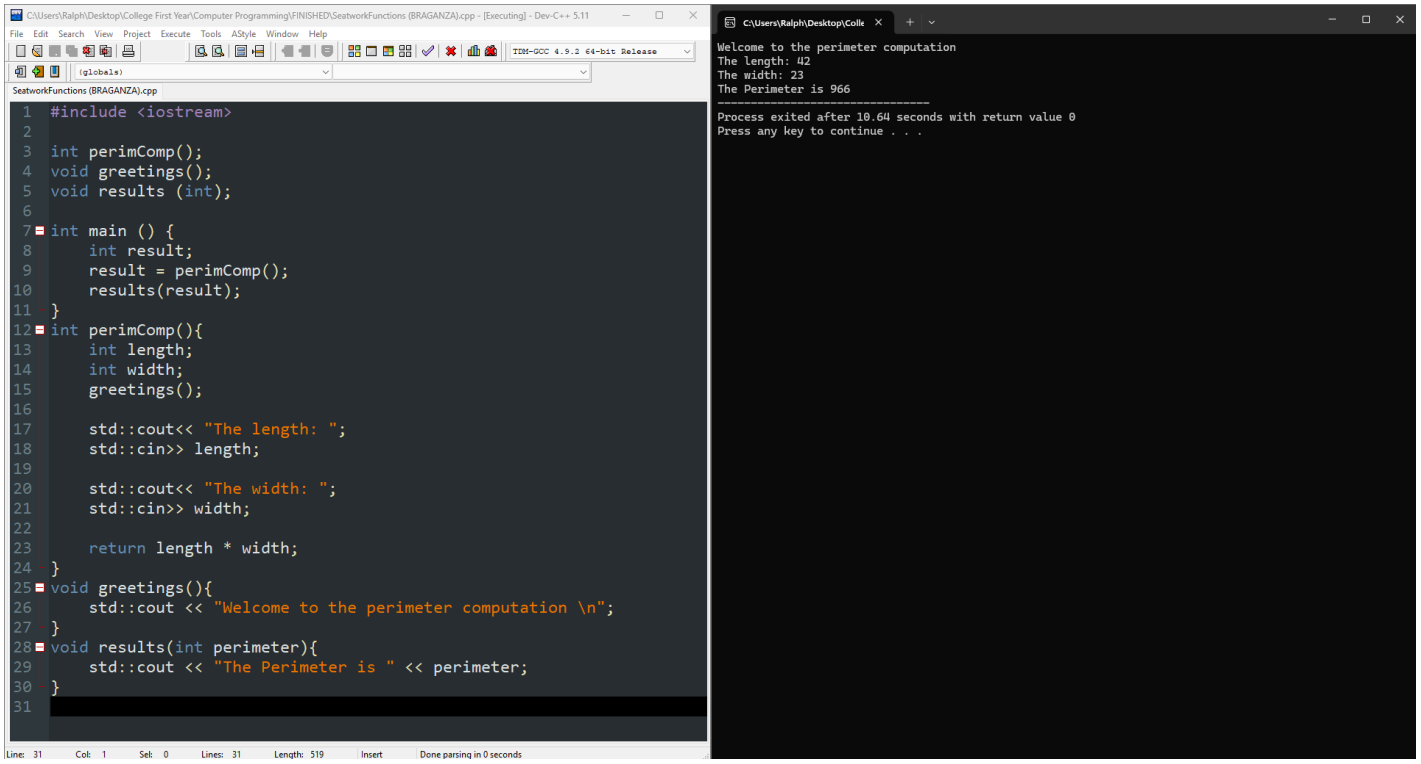
Output

CODE:

```
#include <iostream>

int perimComp();
void greetings();
void results (int);

int main () {
	int result;
	result = perimComp();
	results(result);
}
int perimComp(){
	int length;
	int width;
	greetings();

	std::cout<< "The length: ";
	std::cin>> length;

	std::cout<< "The width: ";
	std::cin>> width;

	return length * width;
}
void greetings(){
	std::cout << "Welcome to the perimeter computation \n";
}
void results(int perimeter){
	std::cout << "The Perimeter is " << perimeter;
}
```

RESULT:



```
#include <iostream>

int perimComp();
void greetings();
void results (int);

int main () {
    int result;
    result = perimComp();
    results(result);
}
int perimComp(){
    int length;
    int width;
    greetings();

    std::cout<< "The length: ";
    std::cin>> length;

    std::cout<< "The width: ";
    std::cin>> width;

    return length * width;
}
void greetings(){
    std::cout << "Welcome to the perimeter computation \n";
}
void results(int perimeter){
    std::cout << "The Perimeter is " << perimeter;
}
```

```
Welcome to the perimeter computation
The length: 42
The width: 23
The Perimeter is 966
--------------------------------
Process exited after 10.64 seconds with return value 0
Press any key to continue . . .
```

ANALYSIS:

In this code we are computing the perimeters of the length and width, first and foremost we have our header which is #include <iostream> for our input and outputs (cin,cout). Here we have our functions, perimComp() will compute and return an integer value (the perimeter, or in this case, the computed value), greetings() will of course display the greeting message and results(int) will display the final result. Now onto our main function where result is declared as an integer variable, it calls the function perimComp() and stores the returned value in result then it passes that result to results(result) to display it. After that, we have our function definition for perimComp, in this function we declare two integer variables length and width. It calls greetings() (which prints the greetings message) then asks the user to input the length and width and returns the product of length * width. The other function definitions is for greetings and results, void greetings() displays a simple greeting message before the program starts asking for input and void results(int perimeter) displays the computed result (called perimeter in the parameter name) on the screen.