**National University of Computer and Emerging Sciences**



**Lab Manual 6**

***for***

**Object Oriented Programming (OOP)**

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| **Section** | **B** |
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**Lab 6**

 **Task 1:**

* Create a Rectangle class with length and width as data members. Write a program to create a pointer to these data members and print their values.

 **Task 2:**

* Modify the Rectangle class from Exercise 1 to add a method setDimensions(int, int) that uses the this pointer to set the values of length and width.

 **Task 3:**

* Add methods setLength(int) and setWidth(int) to the Rectangle class, both returning \*this. Demonstrate cascaded function calls by setting the length and width in a single statement.

 **Task 4:**

* Add a static data member count to the Rectangle class that keeps track of the number of Rectangle objects created. Write a static member function to display the number of objects created.