**Lab 3**

**Variable and Calculation**

**Name-Surname**………………………………......**Student No**........................................**Section (LAB)**……………

**Lab instruction**

1. Open VS code or JAVA IDE on your computer.
2. Create a new java class name Rectangle.java, then write the following code.



3. Save and Run the code. If you input length =5 and width = 10 , the program will give the result area = 50.

4. Edit the code to receive the floating point number. Example length = 5.5 ,width = 10.1 the program will given result area = 55.55



5. Converting the US dollar to Thai Baht. The currency exchange rate is 1 US dollar for 31.8245 Thai Baht. Write the program that prompts the user to enter the US dollars and displays the Thai Baht.



6. Computing the volume of a cylinder. Write a program that **reads** the radius and length of a cylinder and computes volume using the following formulas. Use π = 3.1428 as a constant variable.

area = radius \* radius \* π

volume = area \* length



7. Time Calculator. Write a program that reads the number of second (Time) and calculate the result in number of day, hour, min, and second. \*hint 1 day = 86,400 seconds, 1 hour = 3,600 seconds, 1 minute = 60 seconds.



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