**Assignment 3 |** Lower Secondary

Stage (6-8)

1st Semester | 2023-2024

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| **Subject:** ICT | **Chapter:** 3 |
| **Objectives: Identify: Input, process and output - Write a python program.** | |

Write a python program to calculate the area and the perimeter of a quadrilateral shape:

* Add a note (#) to clarify why you are creating this program.
* Add a note (#) to add your name.
* Input the shape Length (L)
* Input the shape Width (W)
* Calculate the area: Area=L\*W
* Calculate the Perimeter: Per=2\*(L+W)
* Print Area
* Print Perimeter
* Check if the length equals the width:

If L=W then print [square] else print [rectangle].

Use Python to type the program and then write the program in the box below:

# this program calculates the area and perimeter of a shape and specifies if it was a square or a rectangle

# Name: Ali Hassan

def area(l, w):

return (l \* w)

def per(l, w):

return (2\*(l+w))

l = int(input('Enter the shape length (L): '))

w = int(input('Enter the shape width (W): '))

print(f'Area = {area(l, w)}')

print(f'Perimeter = {per(l, w)}')

if l == w:

print("Square")

else:

print("Rectangle")

Save your file and upload it on LMS.

Save the Python file and upload it on LMS.