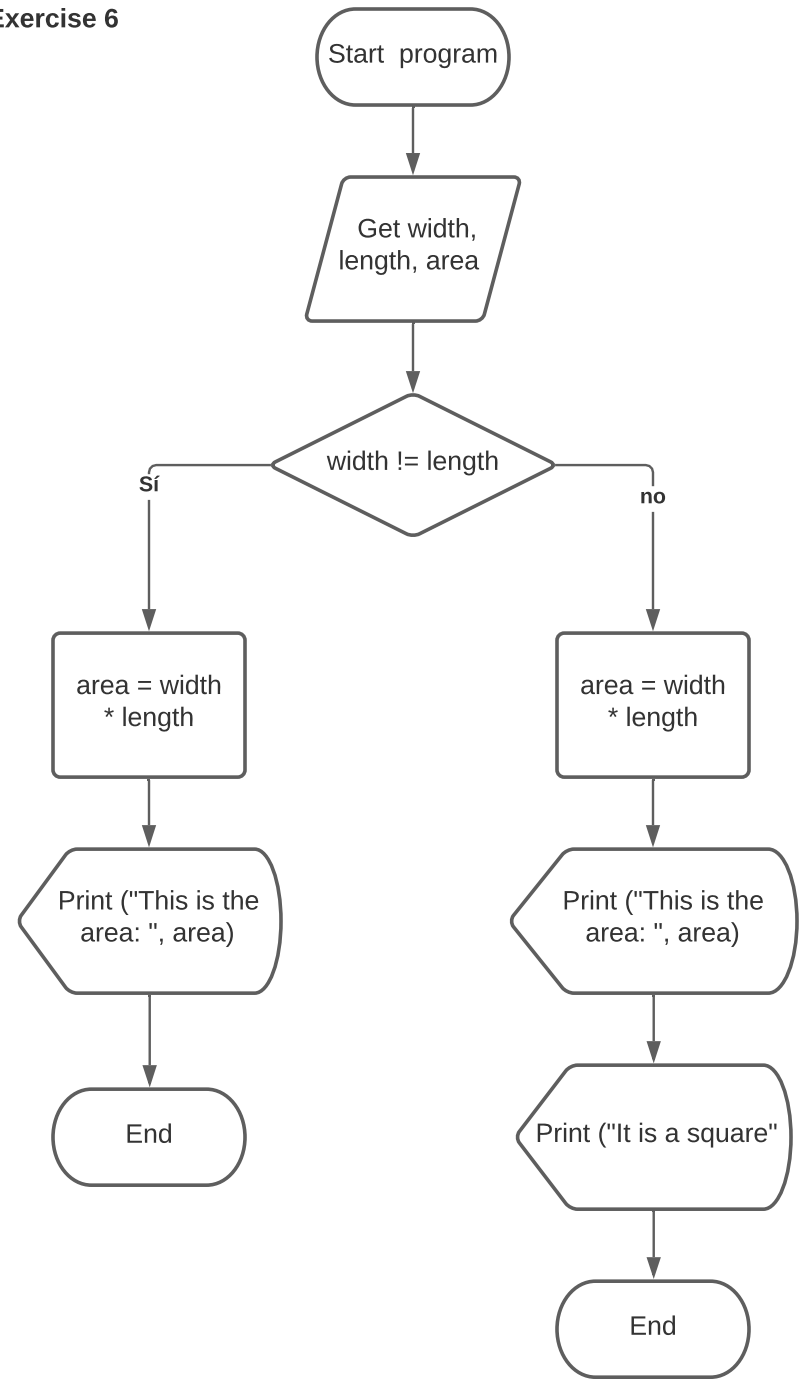
Exercise 6



Design the algorithm for a program that obtain the length and width of a rectangle from the user. Calculate and output the area. If the length and width are equal, output a message indicating that the figure is a square. Make a list of variables, draw the flowchart, and perform a desk check using the following: 4, 8, 5, 5

START PROGRAM Shape

GET
    width = int(input("Enter a number for width: "))
    length = int(input("Enter a number for width: "))
    area = 0
IF (w != l):
    a = w * l
    Print("This is the area: ", a)
ELSE
    a = w * l
    Print("This is the area: ", a)
    Print("It is a square")

END PROGRAM

Shape.py

```python
##Length and Width given by the user##
w = int(input("Enter a number for width: "))
l = int(input("Enter a number for length:"))
a = 0

if(w != l):
    a = w * l
    print ("This is the area: ",a)


else:
    a = w * l
    print("This is the area: ", a)
    print("It is a square")
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
j@ASUS-JC:/mnt/c/Users/Jorge Canul/Documents/tests$ /usr/bin/python3 "/mnt/c/Users/Jorg
e Canul/Documents/tests/Shape.py"
Enter a number for width: 10
Enter a number for length:25
This is the area:  250
j@ASUS-JC:/mnt/c/Users/Jorge Canul/Documents/tests$ /usr/bin/python3 "/mnt/c/Users/Jorg
e Canul/Documents/tests/Shape.py"
Enter a number for width: 4
Enter a number for length:4
This is the area:  16
It is a square
j@ASUS-JC:/mnt/c/Users/Jorge Canul/Documents/tests$
```

bash
Pyth...