**EXPERIMENT-1**

1. Program to implement a line using slope intercept formula.

import matplotlib.pyplot as plt

import numpy as np

a = int(input("Enter first number: "))

b = int(input("Enter second number: "))

x = np.linspace(a,b,10)

y = 2\*x+1

plt.plot(x, y, '-r', label='y=2x+1')

plt.title('Graph of y=2x+1')

plt.xlabel('x', color='#1C2833')

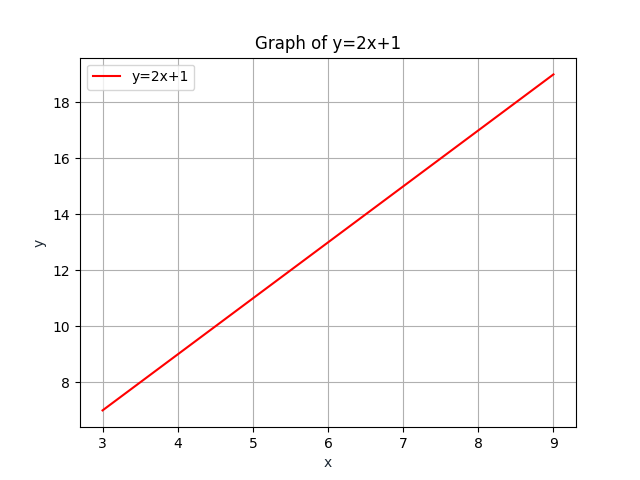
plt.ylabel('y', color='#1C2833')

plt.legend(loc='upper left')

plt.grid()

plt.show()

**OUTPUT:**

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