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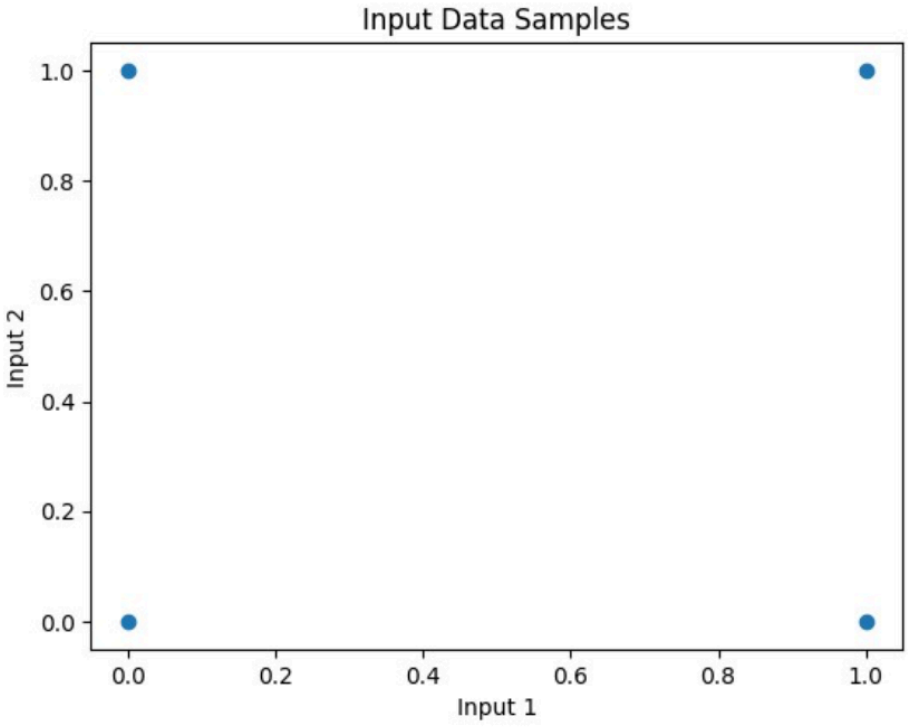
```python
import matplotlib.pyplot as plt

#plot
data_samples = [(0, 0), (0, 1), (1, 0), (1, 1)]

plt.scatter(*zip(*data_samples))
plt.title('Input Data Samples')
plt.xlabel('Input 1')
plt.ylabel('Input 2')
plt.show()

#AND operation function
def custom_and(x, y):
    return x and y

#OR operation function
def custom_or(x, y):
    return x or y

#XOR operation function
def custom_xor(x, y):
    return x != y

#call functions and store results
and_results = []
or_results = []
xor_results = []

for data in data_samples:
    input1, input2 = data

    and_result = custom_and(input1, input2)
    or_result = custom_or(input1, input2)
    xor_result = custom_xor(input1, input2)

    and_results.append('True' if and_result else 'False')
    or_results.append('True' if or_result else 'False')
    xor_results.append('True' if xor_result else 'False')

#print results
print('AND Results:', and_results)
print('OR Results:', or_results)
print('XOR Results:', xor_results)
```




```
AND Results: ['False', 'False', 'False', 'True']
OR Results: ['False', 'True', 'True', 'True']
XOR Results: ['False', 'True', 'True', 'False']
```