Write a Python program to draw a scatter plot comparing two subject marks of Mathematics and Science. Use marks of 10 students.
Sample data:

Test Data:
math_marks = [88, 92, 80, 89, 100, 80, 60, 100, 80, 34]
science_marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]
marks_range = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]

PROGRAM:

```
import matplotlib.pyplot as plt

# Sample Data

math_marks = [88, 92, 80, 89, 100, 80, 60, 100, 80, 34]

science_marks = [35, 79, 79, 48, 100, 88, 32, 45, 20, 30]

marks_range = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100]

# Create a scatter plot

plt.scatter(math_marks, science_marks, color='blue', label='Mathematics vs Science')

# Set labels and title

plt.xlabel('Mathematics Marks')

plt.ylabel('Science Marks')

plt.title('Scatter Plot: Mathematics vs Science')

# Show a grid for better readability

plt.grid(True)

# Display marks_range on both axes for reference

plt.xticks(marks_range)

plt.yticks(marks_range)

# Show legend

plt.legend()

# Show the plot

plt.show()
```

OUTPUT:

Scatter Plot: Mathematics vs Science