

Question 8

Ans:

```
In [11]: from scipy import stats

def perform_hypothesis_test(sample1, sample2):
    t_statistic, p_value = stats.ttest_ind(sample1, sample2)
    return p_value
```

```
In [12]: sample1 = [5, 10, 15, 20, 25]
sample2 = [10, 20, 30, 40, 50]
p_value = perform_hypothesis_test(sample1, sample2)
print("P-value:", p_value)
```

P-value: 0.09434977284243756

In []:

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