Perform Tukey's HSD Test

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Algorithm 1 Perform Tukey's HSD Test

Require: DataFrame df, column names 'sentiment_score' and 'category', significance level alpha

Ensure: posthoc (result of Tukey's HSD test)

```
1: from statsmodels.stats.multicomp import pairwise_tukeyhsd
2: FUNCTION TukeysHSDTest(df, sentiment_score, category, alpha)
3:     posthoc <- CALL pairwise_tukeyhsd WITH df[sentiment_score],
   df[category], alpha
4:   RETURN posthoc
5: END FUNCTION
6: result <- CALL TukeysHSDTest WITH df, 'sentiment_score',
   'category', 0.05
7: CALL print WITH result
8: END
```