Summary

The "assignment" database comprises 19 tables, each containing 888 rows, and one user-defined function. All four tasks have been successfully executed, and the subsequent analysis of the results offers valuable insights.

The user-defined function is designed to return a signal, represented as a string, based on a unique date input corresponding to each row.

Inference:

- The initial trend for the first 50 days consistently suggests a "Hold" signal across all stocks.

- An analysis of buying signals indicates:

  - **Bajaj**: 501 days favourable for buying and 337 for selling.

  - **Eicher**: 475 days favourable for buying and 363 for selling.

  - **Hero**: 474 days favourable for buying and 364 for selling.

  - **Infosys**: 465 days favourable for buying and 373 for selling.

  - **TCS**: 416 days favourable for buying but leads with 442 days favourable for selling.

  - **TVS**: Emerges as the most favourable with 509 days to buy and 329 to sell.

From the data, TVS has the highest number of buying signals, while TCS indicates a stronger selling trend. Interestingly, Hero demonstrates the fewest crossovers, implying that its stock is relatively more stable than the others.