# Title: Stock Market Analysis Report

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**1. Executive Summary** This project analyzes historical stock data for six major companies (Eicher Motors, Bajaj Auto, TCS, TVS Motors, Hero Motocorp, and Infosys) to identify price volatility and potential profit opportunities using SQL analysis.

**2. Trend Analysis (Maximum Potential Growth)** *Calculated percentage change from the lowest recorded price to the highest recorded price:*

- **TVS Motors:** +267.74% (Highest Growth)
- **Infosys:** +166.35%
- **Eicher Motors:** +128.95%
- **TCS:** +109.44%
- **Hero Motocorp:** +77.53%
- **Bajaj Auto:** +74.90% (Lowest Growth)

**3. Buy/Sell Recommendations** *Based on the comparative growth potential analysis:*

- **BUY (Strong Growth): TVS Motors** and **Infosys**. These stocks demonstrated the highest potential returns, with TVS Motors more than tripling in value from its lowest point.
- **SELL / HOLD (Lower Relative Growth): Bajaj Auto** and **Hero Motocorp**. While they showed positive growth, they underperformed compared to the other tech and automotive giants in this dataset.

**4. Insights & Profit Opportunity**

- The most significant profit opportunity was found in **TVS Motors**.
- Buying this stock at its lowest price and selling at its highest price during the analyzed period would have yielded a massive **267.74% return**, making it the most volatile and potentially profitable stock in the group.
- **Infosys** also showed strong performance as a top-tier tech stock with over **166%** potential growth.