Algorithmic trading or high-frequency trading (HFT) is a type of market-making system that operates using a computer program that executes trades at high speeds, often milliseconds, in response to various market conditions and events. This system is used by large financial institutions and high-frequency traders to execute trades at the most favorable prices, often within microseconds. The algorithmic trading system is designed to execute trades at the best possible price, which is critical in a rapidly changing market where microseconds can make a significant difference in the outcome of a trade. The algorithmic trading system uses complex mathematical models, artificial intelligence, and machine learning algorithms to analyze market data and execute trades at the best possible price.