

# SOC - Assignment 1

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## Technical Analysis

I will be pointing out some (3 TT) valid trade opportunities (from the past data) for the stocks of **NVIDIA Corporation**.



- A doji (forming right before the circled candlestick) shows market indecision, often found at turning points, and it is followed by the bullish engulfing candle that shows that buyers stepped in aggressively, reversing sentiment.
- The volumes have also been spiking up indicating strong retail interest.
- The MACD histogram shifts from red to green, and the lines begin converging, hinting at a bullish crossover and also the price breaks and closes above the 20 EMA and SMA, signaling a potential trend reversal or breakout.
- So all indicators are stringly bullish and thus its a good long trade opportunity. The marked candle is a good entry point in my opinion.
- The stop-loss can be set to be right below the low of the engulfing candle.



- There's a bullish momentum build up and a short rally breaking above the EMA 20. This indicates increasing bullish pressure confirmed by the rising volume.
- However the candlesticks have hit the upper Bolinger Band and shall now pull back inside the band and this is also confirmed by the small spinning bearish candle marked in the figure.
- The MACD histogram seems to be loosing momentum since the peak has been hit but its not a very strong indicator. Also the accumulation stage has been done so this shall be the peak by that logic.
- In terms of volume a large green volume bar preceded the current range and since then the volume has been waning suggesting that the bullish momentum is losing steam.
- The entry point would be a little below the upper of the Bolinger Bands (144 ish), whereas the stop loss can be set to right outside the upper of the band.



- The support line I drew has been tested multiple times since the price bounced here in the past, so the candlestick I have marked is also close to the support line. So a decent indicator
- The candle at the marked point is bouncing back inside the Bollinger bands, a decent reversion signal.
- The MACD histograms are shrinking and the signal lines are converging, suggesting a bullish crossover is imminent. Although not crossed, its an indication yes.
- The volumes are not that explosive though.
- A doji also appears after a downtrend right at a key support zone which indicates indecisiveness and a possible trend reversal and is followed by the bullish candle forming a "Morning Star" - like pattern.
- The entry would be near the marked candle's close, and the stop loss would be slightly below the support.