**This is a script for an indicator which takes into account the volume weighted average price and generates a trade signal in real time. It also handles the neutral behavior of price action around the VWAP line.**

**Language used: Tradescript.**

**This is the script for buy signal**

SET VWAP = SUM (CLOSE\*VOLUME,15)/SUM(VOLUME,15)

SET AVGVOL = SUM(VOLUME,15)/15

#CHECKING BEHAVOIUR OF CURRENT CANDLE

OPEN < VWAP

AND

CLOSE > VWAP

#CHECKING BEHAVOIUR OF PREVIOUS CANDLE

AND

REF(OPEN,1) <= VWAP

AND

REF(OPEN,1) <= EMA(CLOSE,9)

AND

REF(CLOSE,1) <= VWAP

AND

REF(CLOSE,1) <= EMA(CLOSE,9)

#CHECKING BEHAVOIUR OF 2nd PREVIOUS CANDLE

AND

REF(OPEN,2) <= VWAP

AND

REF(OPEN,2) <= EMA(CLOSE,9)

AND

REF(CLOSE,2) <= VWAP

AND

REF(CLOSE,2) <= EMA(CLOSE,9)

#CHECKING BEHAVOIUR OF3rd PREVIOUS CANDLE

AND

REF(OPEN,3) <= VWAP

AND

REF(OPEN,3) <= EMA(CLOSE,9)

AND

REF(CLOSE,3) <= VWAP

AND

REF(CLOSE,3) <= EMA(CLOSE,9)

#CHECKING VOLUME

#AND

#VOLUME > AVGVOL

**This is the script for sell signal**

SET VWAP = SUM(CLOSE\*VOLUME,15) / SUM(VOLUME,15)

SET AVGVOL = SUM(VOLUME,15)/15

#CHECKING BEHAVOIUR OF CURRENT CANDLE

OPEN > VWAP

AND

CLOSE < VWAP

#CHECKING BEHAVOIUR OF PREVIOUS CANDLE

AND

REF(OPEN,1) >= VWAP

AND

REF(OPEN,1) >= EMA(CLOSE,9)

AND

REF(CLOSE,1) >= VWAP

AND

REF(CLOSE,1) >= EMA(CLOSE,9)

#CHECKING BEHAVOIUR OF 2nd PREVIOUS CANDLE

AND

REF(OPEN,2) >= VWAP

AND

REF(OPEN,2) >= EMA(CLOSE,9)

AND

REF(CLOSE,2) >= VWAP

AND

REF(CLOSE,2) >= EMA(CLOSE,9)

#CHECKING BEHAVOIUR OF 3rd PREVIOUS CANDLE

AND

REF(OPEN,3) >= VWAP

AND

REF(OPEN,3) >= EMA(CLOSE,9)

AND

REF(CLOSE,3) >= VWAP

AND

REF(CLOSE,3) >= EMA(CLOSE,9)

#CHECKING VOLUME

#AND

#VOLUME > AVGVOL