// Credits to elmegatrader's Mega crypto bot strategy script

//@version=2

strategy(title='Passive Income', overlay=true, pyramiding=0, initial\_capital=10000, currency=currency.USD)

//Candle body resistance Channel-----------------------------//

len = 34

src = input(close, title="Candle body resistance Channel")

out = sma(src, len)

last8h = highest(close, 13)

lastl8 = lowest(close, 13)

bearish = cross(close,out) == 1 and falling(close, 1)

bullish = cross(close,out) == 1 and rising(close, 1)

channel2=input(false, title="Bar Channel On/Off")

ul2=plot(channel2?last8h:last8h==nz(last8h[1])?last8h:na, color=black, linewidth=1, style=linebr, title="Candle body resistance level top", offset=0)

ll2=plot(channel2?lastl8:lastl8==nz(lastl8[1])?lastl8:na, color=black, linewidth=1, style=linebr, title="Candle body resistance level bottom", offset=0)

//fill(ul2, ll2, color=black, transp=95, title="Candle body resistance Channel")

//-----------------Support and Resistance

RST = input(title='Support / Resistance length:', type=integer, defval=10)

RSTT = valuewhen(high >= highest(high, RST), high, 0)

RSTB = valuewhen(low <= lowest(low, RST), low, 0)

RT2 = plot(RSTT, color=RSTT != RSTT[1] ? na : red, linewidth=1, offset=+0)

RB2 = plot(RSTB, color=RSTB != RSTB[1] ? na : green, linewidth=1, offset=0)

//--------------------Trend colour ema------------------------------------------------//

src0 = close, len0 = input(13, minval=1, title="EMA 1")

ema0 = ema(src0, len0)

direction = rising(ema0, 2) ? +1 : falling(ema0, 2) ? -1 : 0

plot\_color = direction > 0 ? lime: direction < 0 ? red : na

plot(ema0, title="EMA", style=line, linewidth=1, color = plot\_color)

//-------------------- ema 2------------------------------------------------//

src02 = close, len02 = input(21, minval=1, title="EMA 2")

ema02 = ema(src02, len02)

direction2 = rising(ema02, 2) ? +1 : falling(ema02, 2) ? -1 : 0

plot\_color2 = direction2 > 0 ? lime: direction2 < 0 ? red : na

plot(ema02, title="EMA Signal 2", style=line, linewidth=1, color = plot\_color2)

//=============Hull MA//

show\_hma = input(false, title="Display Hull MA Set:")

hma\_src = input(close, title="Hull MA's Source:")

hma\_base\_length = input(8, minval=1, title="Hull MA's Base Length:")

hma\_length\_scalar = input(5, minval=0, title="Hull MA's Length Scalar:")

hullma(src, length)=>wma(2\*wma(src, length/2)-wma(src, length), round(sqrt(length)))

plot(not show\_hma ? na : hullma(hma\_src, hma\_base\_length+hma\_length\_scalar\*6), color=black, linewidth=2, title="Hull MA")

//============ signal Generator ==================================//

period = input('900')

ch1 = security(tickerid, period, open)

ch2 = security(tickerid, period, close)

longCondition = crossover(ch2,ch1)

if (longCondition)

strategy.entry("BUY", strategy.long)

shortCondition = crossunder(ch2,ch1)

if (shortCondition)

strategy.close("BUY")