import os

from binance.client import Client

# Set up API keys

api\_key = os.environ.get('BINANCE\_API\_KEY')

api\_secret = os.environ.get('BINANCE\_API\_SECRET')

client = Client(api\_key, api\_secret)

# Set up trading parameters

symbol = 'BTCUSDT'

order\_size = 0.001

stop\_loss = 0.05 # 5% stop loss

take\_profit = 0.1 # 10% take profit

# Place a limit buy order

buy\_price = client.get\_symbol\_ticker(symbol=symbol)['price']

buy\_order = client.create\_order(

symbol=symbol,

side=Client.SIDE\_BUY,

type=Client.ORDER\_TYPE\_LIMIT,

timeInForce=Client.TIME\_IN\_FORCE\_GTC,

quantity=order\_size,

price=buy\_price

)

# Place stop loss and take profit orders

stop\_price = str(float(buy\_price) \* (1 - stop\_loss))

stop\_loss\_order = client.create\_order(

symbol=symbol,

side=Client.SIDE\_SELL,

type=Client.ORDER\_TYPE\_STOP\_LOSS\_LIMIT,

timeInForce=Client.TIME\_IN\_FORCE\_GTC,

quantity=order\_size,

price=stop\_price,

stopPrice=stop\_price

)

take\_profit\_price = str(float(buy\_price) \* (1 + take\_profit))

take\_profit\_order = client.create\_order(

symbol=symbol,

side=Client.SIDE\_SELL,

type=Client.ORDER\_TYPE\_LIMIT,

timeInForce=Client.TIME\_IN\_FORCE\_GTC,

quantity=order\_size,

price=take\_profit\_price

)

# Check order status

order\_id = buy\_order['orderId']

order\_status = client.get\_order(symbol=symbol, orderId=order\_id)['status']

print(f'Buy order status: {order\_status}')