

You need to write two functions using the Python programming language and one of the cryptocurrency exchange APIs: **Gate.io** or **MEXC**.

1. Function 1 - Opening a Position:

- This function should accept the following parameters:
 - The token symbol, e.g., **DOGEUSDT**.
 - The amount to open the position with, e.g., **\$20**.
 - Leverage, e.g., **20x**.
 - Position type: **long** or **short**.
 - Take profit value, e.g., **0.2**.
 - Stop loss value, e.g., **0.4**.
- The function should open a position in the futures market based on these parameters.

2. Function 2 - Closing a Position:

- This function should accept the token symbol, e.g., **DOGEUSDT**.
- It should close **all open positions** and cancel all open orders (take profit or stop loss) related to the provided symbol.

Important Notes:

- When writing the code, you are required to add comments explaining why and how specific functions, methods, or approaches are used.

Deadline: 2-3 days.

Once completed, send the file with the code either via email or Telegram: <https://t.me/astrds24>. Your assignment will be reviewed within **12-18 hours**.