

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**.