

## Problem Statement: Time-Locked Wallet

In blockchain applications, users often need to restrict access to funds until a specific time.

This ensures that assets remain inaccessible until predetermined conditions are met.

Your task is to develop a Time-Locked Wallet smart contract that holds funds and only allows withdrawals

after a specific timestamp. The contract should enforce this lock using `block.timestamp` and conditional logic.

Requirements:

- The contract should allow a user to deposit funds into the wallet.
- A withdrawal function should be present but should only allow funds to be withdrawn after a specified time.
- The contract should prevent early withdrawals by checking the current `block.timestamp`.
- The owner should be the only entity allowed to withdraw funds after the unlock time.

This problem will enhance your understanding of Ethereum smart contract development, specifically working with

timestamps and conditional access control.