

```

1  // SPDX-License-Identifier: MIT
2  // OpenZeppelin Contracts (last updated v4.5.0) (utils/Multicall.sol)
3
4  pragma solidity ^0.8.0;
5
6  import "./Address.sol";
7
8  /**
9   * @dev Provides a function to batch together multiple calls in a single external
    call.
10  *
11  * _Available since v4.1._
12  */
13  abstract contract Multicall {
14      /**
15       * @dev Receives and executes a batch of function calls on this contract.
16       */
17      function multicall(bytes[] calldata data) external virtual returns (bytes[] memory
    results) {
18          results = new bytes[](data.length);
19          for (uint256 i = 0; i < data.length; i++) {
20              results[i] = Address.functionDelegateCall(address(this), data[i]);
21          }
22          return results;
23      }
24  }
25

```