

ASSIGNMENT

Program:

```
// SPDX-License-Identifier: MIT

pragma solidity ^0.8.0;

contract ZoneNameContract {

    function getZoneName() public pure returns (string memory) {
        return "Zone name";
    }

}
```

ABI:

```
[
  {
    "inputs": [],
    "name": "getZoneName",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "pure",
    "type": "function"
  }
]
```

Bytecode:

[illegible]

Output:

The screenshot displays the Solidity Compiler interface. On the left, the 'COMPILER' section shows version '0.8.18+commit.87f61d96' and options for 'Include nightly builds', 'Auto compile', and 'Hide warnings'. Below this are buttons for 'Compile ZoneName.sol', 'Compile and Run script', 'Publish on Ipfs', 'Publish on Swarm', and 'Compilation Details'. The 'CONTRACT' section shows 'ZoneNameContract (ZoneName.sol)'. The main editor displays the Solidity code for 'ZoneName.sol', which includes a pragma statement for Solidity 0.8.0 and a contract named 'ZoneNameContract' with a 'getZoneName' function that returns the string 'Zone name'. The bottom panel shows the transaction details for a call to 'ZoneNameContract.getZoneName()' with an execution cost of 715 gas and a decoded output of 'Zone name'.

The screenshot displays the 'DEPLOY & RUN TRANSACTIONS' interface. The 'CONTRACT' section shows 'ZoneNameContract - ZoneName.sol' and a 'Deploy' button. Below this are buttons for 'At Address' and 'Load contract from Address'. The 'Transactions recorded' section shows a list of transactions. The 'Deployed Contracts' section shows a list of contracts, including 'ZONENAMECONTRACT AT 0XD9'. The 'Low level interactions' section shows a 'Transact' button. The main editor displays the Solidity code for 'ZoneName.sol'. The bottom panel shows the transaction details for a call to 'ZoneNameContract.getZoneName()' with an execution cost of 715 gas and a decoded output of 'Zone name'.

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