

# ASSIGNMENT-1

**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 shows the Solidity Compiler interface. On the left, the 'COMPILER' section is active, displaying version '0.8.18+commit.L87f61d96'. Below this, there are checkboxes for 'Include nightly builds', 'Auto compile', and 'Hide warnings'. The 'Advanced Configurations' section is also visible. The main area shows the source code for 'ZoneName.sol':

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     function getZoneName() public pure returns (string memory) { infinite gas
6         return "Zone name";
7     }
8 }
9 // JERALD ABISHEK V
```

At the bottom, there are buttons for 'Compile ZoneName.sol', 'Compile and Run script', 'Publish on Ipfs', 'Publish on Swarm', and 'Compilation Details'. The 'ABI' and 'Bytecode' tabs are also present.

The screenshot shows the 'DEPLOY & RUN TRANSACTIONS' interface. On the left, the 'CONTRACT' section is active, displaying 'ZoneNameContract - ZoneName.sol'. Below this, there are buttons for 'Deploy', 'Publish to IPFS', and 'At Address'. The 'Transactions recorded' section shows 2 transactions. The 'Deployed Contracts' section shows the contract 'ZONENAMECONTRACT AT 0XD9' with a balance of 0 ETH. The 'Low level interactions' section shows the 'getZoneName' function being called with the input '0: string: Zone name' and the output '0: string: Zone name'. The 'Transact' button is also visible.

The main area shows the transaction details for the 'getZoneName' function call:

```
CALL [call] from: 0x58380a6a701c568545dCfc803Fc8875f56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed70f
```

Field	Value
from	0x58380a6a701c568545dCfc803Fc8875f56beddC4
to	ZoneNameContract.getZoneName() 0xd9145CCE520386f254917e481e844e9943f39138
execution cost	715 gas (Cost only applies when called by a contract)
input	0x235...ed70f
decoded input	{}
decoded output	{ "0": "string: Zone name" }
logs	[ ]

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