

# 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 'SOLIDITY COMPILER' sidebar is visible, showing the compiler version '0.8.18+commit.L87f61d96' and options for 'Auto compile' and 'Hide warnings'. The 'Advanced Configurations' section is expanded, showing a 'Compile ZoneName.sol' button and a 'Compile and Run script' button. Below these, the 'CONTRACT' section shows 'ZoneNameContract (ZoneName.sol)' with buttons for 'Publish on Ipfs', 'Publish on Swarm', and 'Compilation Details'. The main editor area displays the Solidity 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
```

The bottom of the interface shows a search bar and a 'listen on all transactions' checkbox.

The screenshot shows the 'DEPLOY & RUN TRANSACTIONS' interface. On the left, the 'CONTRACT' section shows 'ZoneNameContract - ZoneName.sol' with an 'evm version: paris' dropdown and a 'Deploy' button. Below this, the 'At Address' section shows a 'Load contract from Address' button. The 'Transactions recorded' section shows 2 transactions. The 'Deployed Contracts' section shows the 'ZoneNameContract AT 0XD9' with a 'getZoneName' button and a 'Transact' button. The main editor area displays the Solidity code for 'ZoneName.sol' (same as the previous screenshot). The bottom of the interface shows a search bar and a 'listen on all transactions' checkbox.

The 'Deployed Contracts' section shows the following details:

- Contract: ZONENAMECONTRACT AT 0XD9
- Balance: 0 ETH
- Function: getZoneName
- Input: 0: string: Zone name
- Low level interactions: CALLDATA

The 'Transact' button is highlighted in orange.

The bottom of the interface shows a search bar and a 'listen on all transactions' checkbox.

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