

ASSIGNMENT

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The screenshot displays the Remix Ethereum IDE interface. The top bar shows the browser address: `remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js`. The left sidebar contains the 'DEPLOY & RUN TRANSACTIONS' panel, which is set to the 'Remix VM (Shanghai)' environment. The account selected is `0x583...eddC4` with a balance of 99.999999 ETH. The gas limit is set to 3000000, and the value is 0 Wei. The contract being deployed is 'NameValuestorage - Sripaja C.sol'. The 'Deploy' button is highlighted. Below the deployment controls, there are sections for 'Transactions recorded' and 'Deployed Contracts'. The main editor area shows the Solidity code for the 'NameValuestorage' contract, which includes a `setName` function and a `getName` function. The bottom right panel displays the transaction details, including the transaction hash, block hash, block number, contract address, from address, to address, gas used, and transaction cost.

```
// SPDX-License-Identifier:MIT
pragma solidity ^0.8.0;

contract NameValuestorage {
    string public nameValue;

    function setName(string memory newName) public {
        nameValue = newName;
    }

    function getName() public view returns (string memory) {
        return nameValue;
    }
}
```

Transaction details:

- transaction hash: `0x297f8ed3c8999875ca40ee389ac212abd0f9cd3850f75227715e0e2a4baa418d`
- block hash: `0xaec3253924bbac49c82b906a8b264a7570dfb47e98c5852401920c670007d58d`
- block number: 1
- contract address: `0xd9145ccce520386f254017e483e844e9943f39138`
- from: `0x58380a6a701c568545dcfc803fc8875f56bedc4`
- to: NameValuestorage.(constructor)
- gas: 517916 gas
- transaction cost: 450479 gas