

# ASSIGNMENT-1

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ZONE NAME	8
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COLLEGE	GANESH COLLEGE OF ENGINEERING

## PROGRAM :

```
pragma solidity >= 0.8.2 <0.9.0;
const string

contract SANJAI
{
    string user Input;

    function set(string memory final Value) public
    {
        User Input = final Value;
    }

    function get() public view returns(string memory)
    {
        return user Input;
        Back to string;
    }
}
```

## ABI :

```
[
    {
        "inputs":
    [
        {
```

```

        "internal Type": "string",
        "name": "final Value",
        "type": "string"
    },
    ],
    "name":
"set", "outputs": [],
    "state Mutability": "non payable",
    "type": "function"
},
{
    "inputs": [],
    "name": "get",
    "outputs":
[
    {
        "internal Type": "string",
        "name": "",
        "type": "string"
    }
],
    "state Mutability": "view",
    "type": "function"
}
]

```

## BYTE CODE :

```

608060405234801561001057600080fd5b506103a4806100206000396000f3fe6080604052348015610010576000
80fd5b50600436106100365760003560e01c80634ed3885e1461003b5780636d4ce63c14610050575b600080fd5b
61004e610049366004610126565b61006e565b005b61005861007e565b60405161006591906101d7565b604051
80910390f35b600061007a82826102ae565b5050565b60606000805461008d90610225565b80601f01602080910
402602001604051908101604052809291908181526020018280546100b990610225565b80156101065780601f10
6100db57610100808354040283529160200191610106565b820191906000526020600020905b815481529060010
1906020018083116100e957829003601f168201915b5050505050905090565b634e487b7160e01b600052604160
045260246000fd5b60006020828403121561013857600080fd5b813567ffffffffffff8082111561015057600080fd
5b818401915084601f83011261016457600080fd5b81358181111561017657610176610110565b604051601f8201
601f19908116603f0116810190838211818310171561019e5761019e610110565b81604052828152876020848701
0111156101b757600080fd5b8260208601602083013760009281016020019290925250959450505050565b600
060208083528351808285015260005b81811015610204578581018301518582016040015282016101e8565b5060
00604082860101526040601f19601f8301168501019250505092915050565b600181811c9082168061023957607f
821691505b60208210810361025957634e487b7160e01b600052602260045260246000fd5b50919050565b601f8
211156102a957600081815260208120601f850160051c810160208610156102865750805b601f850160051c82019
1505b818110156102a557828155600101610292565b5050505b505050565b815167ffffffffffff8111156102c857

```

6102c8610110565b6102dc816102d68454610225565b8461025f565b602080601f83116001811461031157600084  
156102f95750858301515b600019600386901b1c1916600185901b1785556102a5565b600085815260208120601f  
198616915b8281101561034057888601518255948401946001909101908401610321565b508582101561035e578  
7850151600019600388901b60f8161c191681555b5050505050600190811b0190555056fea264697066735822122  
067710e5ec20960cba1255f9c6ba86d82a17a98eced54d30401b82ef1cc435e0164736f6c63430008120033

## OUTPUT :

The screenshot displays the Remix Ethereum IDE interface. The top bar shows the project name "Hello World" Smart Contract in a file named "scenario.json". The left sidebar contains the "DEPLOY & RUN TRANSACTIONS" panel, which includes fields for "ACCOUNT" (0x5B3...eddC4), "GAS LIMIT" (3000000), "VALUE" (0 Wei), and "CONTRACT" (evm version: paris). Below these fields are buttons for "At Address" and "Load contract from Address". The "Transactions recorded" section shows a checkbox for "Run transactions using the latest compilation result" and "Save" and "Run" buttons. The "Deployed Contracts" section lists a contract named "SANJAI AT 0XD91...39138 (MEMO)".

The main workspace shows a JSON configuration for a transaction:

```
1 {
2   "accounts": {
3     "account{0}": "0x5B38Da6a701c568545dCfcB03Fc8875f56beddC4"
4   },
5   "linkReferences": {},
6   "transactions": [
7     {
8       "timestamp": 169636699592,
```

Below the code editor, a search bar is present with the text "Search with transaction hash or address". The bottom section displays transaction details for block number 1:

block number	1
contract address	0xd9145CC52D386f254917e481e844e9943f39138
from	0x5B38Da6a701c568545dCfcB03Fc8875f56beddC4
to	Sanjai.(constructor)
gas	472499 gas
transaction cost	410974 gas
execution cost	332360 gas
input	0x608...20033
decoded input	{}
decoded output	-
logs	{} {}

The bottom status bar shows the system clock as 2:03 PM on 10/3/2023.