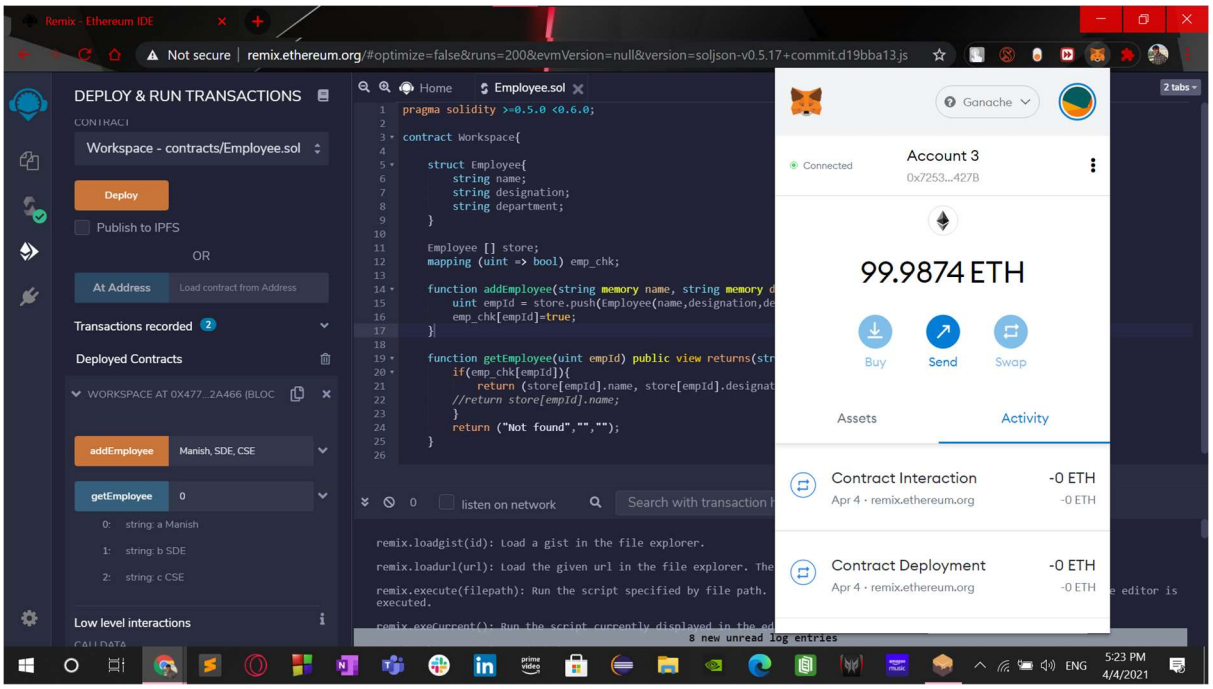
Vibhav Sharma

E18CSE206

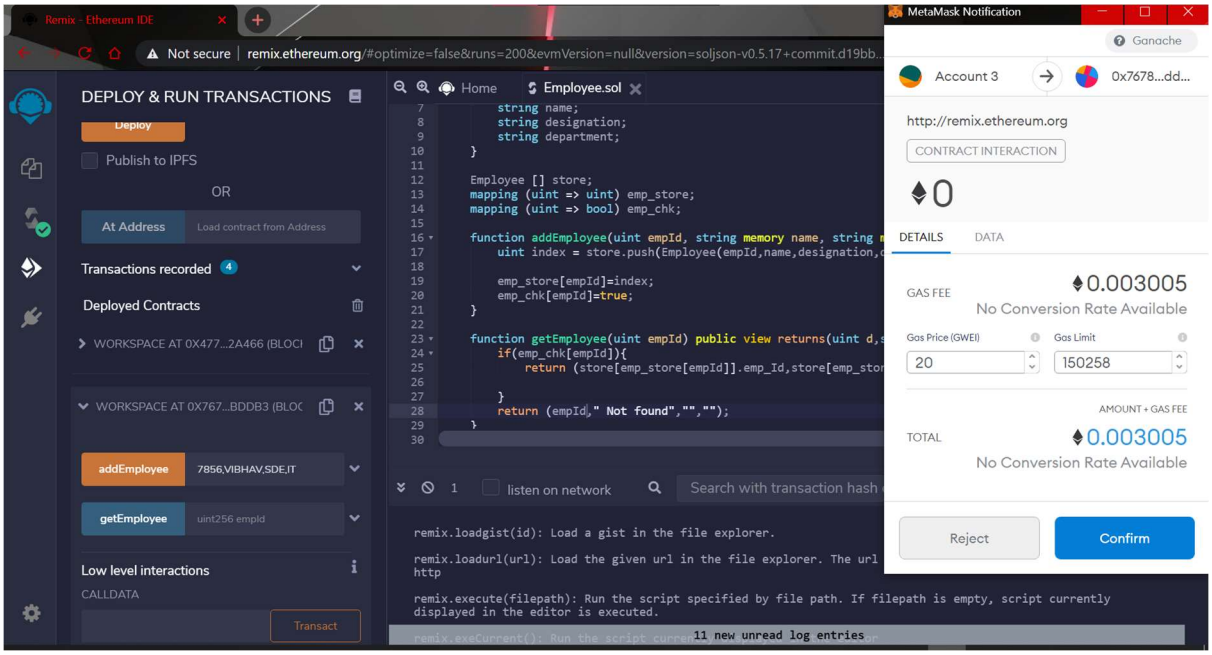
BLOCKCHAIN LAB_9

Eg.1 When Emp_id is itself and index of the struct array (Basic Approach)

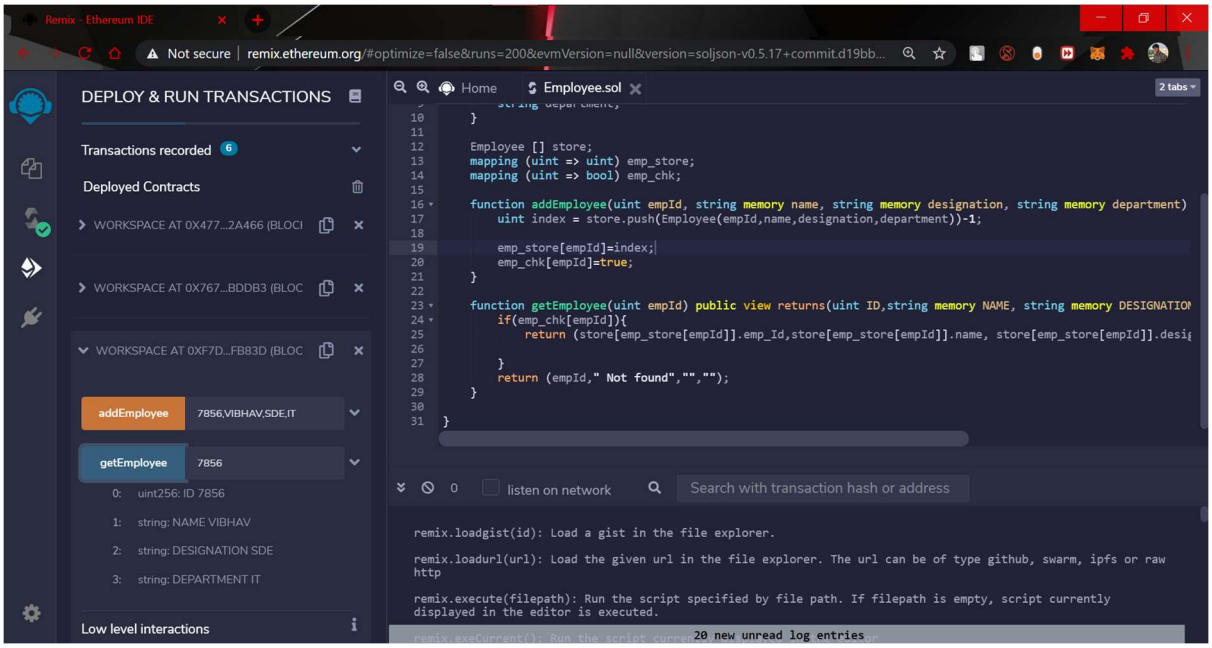



```solidity
pragma solidity >=0.5.0 <0.6.0;

contract Workspace{

    struct Employee{
        string name;
        string designation;
        string department;
    }

    Employee [] store;
    mapping (uint => bool) emp_chk;

    function addEmployee(string memory name, string memory designation, string memory department) public{
        uint empId = store.push(Employee(name,designation,department))-1;
        emp_chk[empId]=true;
    }

    function getEmployee(uint empId) public view returns(string memory a, string memory b, string memory c){
        if(emp_chk[empId]){
            return (store[empId].name, store[empId].designation, store[empId].department) ;
        //return store[empId].name;
        }
        return ("Not found","","");
    }
```

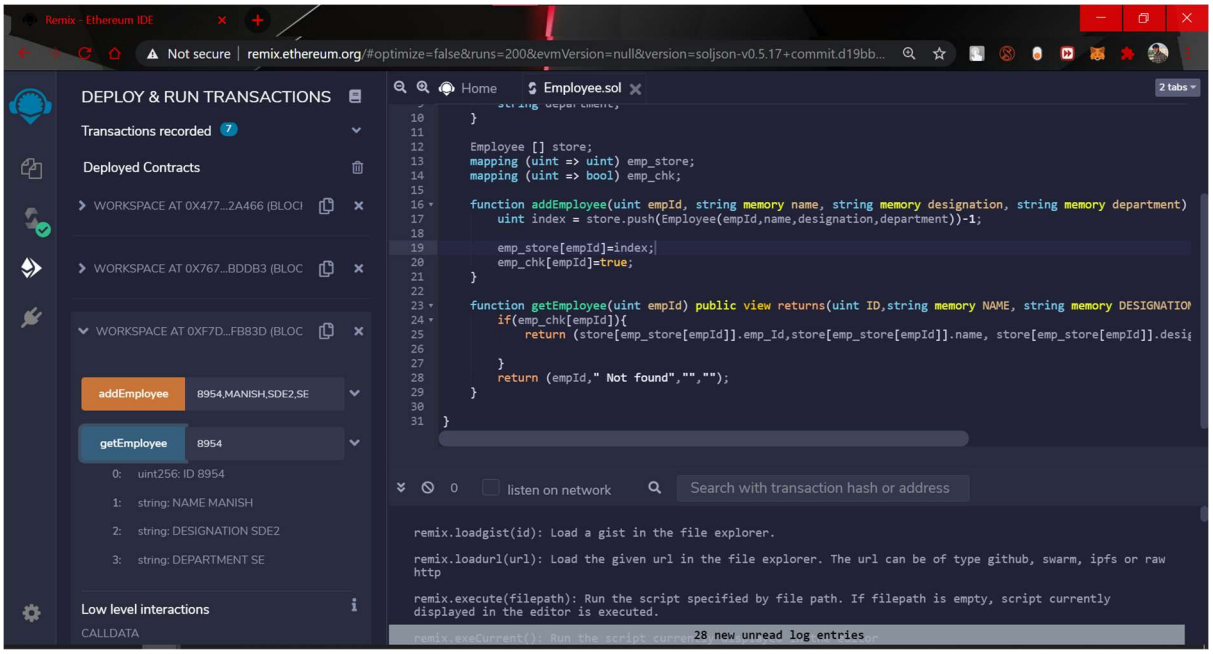
Approach 2 (EMP_ID is Unique and part of the struct employee)



EMP ID : 7856



EMP ID : 8954



SOME RANDOM EMP ID: NOT FOUND