```
Name: - Monali Sanjay Khairnar
```

**Roll no :- 26** 

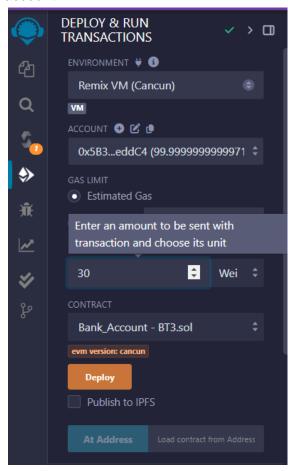
Subject: - Blockchain Technology

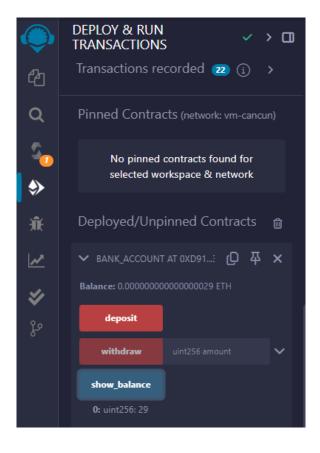
**Assignment 3:-** Write a smart contract on a test network, for Bank account of a customer for following operations. Deposit Money Withdraw Money Show balance.

```
Program:-
pragma solidity ^0.8.0;
contract Bank_Account
{
address payable private account_owner;
constructor()
{
account_owner = payable(msg.sender);
}
function deposit() public payable
{
}
function withdraw(uint amount) public payable
{
require(msg.sender == account_owner);
account_owner.transfer(amount);
}
function show_balance() public view returns(uint) // View = read-only
{
return address(this).balance; //Amount stored in the contract
}}
```

## Output:

Deploy the compiled contract, enter the value to be transferred to it and click on the Deposit button. Verify that the amount has been transferred to the contract and deducted from your account.





Enter the amount to be withdrawn from the contract, in the textbox and click Withdraw. Verify the change in your account's balance. (in wei)

