Department of Computer Engineering

Academic Term: Jan-May 23-24

Class: B.E Computer Sem -VII Subject:

Blockchain Technology Lab**Subject**

Code : CSDL7022
Practical No:

Title:

Creating the Smart Contract

Date of Performance:

Date of Submission:

Roll No:

9427

Name of the Student:

Atharva Prashant Pawar

Evaluation:

Sr. No	Rubric	Grade
1	Time Line (2)	
2	Output (3)	
3	Code optimization (2)	
4	Post lab (3)	

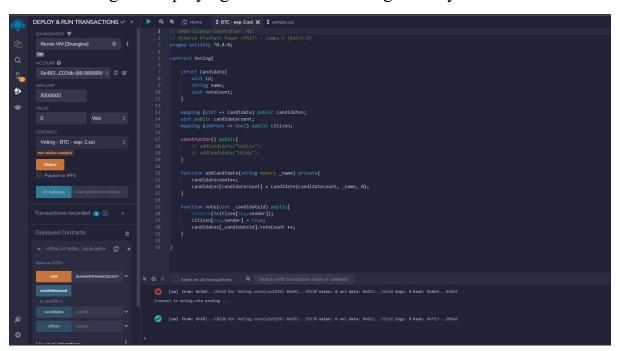
Signature of the Teacher:

Experiment No. 2

Creating the Smart Contract

Atharva Prashant Pawar - (9427) [Batch - D]

Aim: Creating and deploying Smart Contract using Solidity and Remix IDE.





Conclusion: We have successfully created and deployed the smart contract.

Review Questions

- Q. 1 What is Remix IDE?
- Q. 2 How smart contract is created using Remix IDE?
- Q. 3 How the smart contract is deployed using Remix IDE?
- Q. 4 What is Gas?
- Q. 5 What is account in Remix IDE?

	Athania Poceshant Power (01424) - Batch - D
	BCT: Exp2 Postlab DATE:
91.	
=>	Romin IDE 75 am Portegocated development environment (IDE)
	designed for building & deploying smart contracts on the
	Etherreum blockchain. It offers a user friendly Interstance
	that allows developers to write, test it debug solidity amount
	smart contracts efficiently. Romix DF is antirely web based
	& requires no Installation, making it accessible from any
	modern browser.
0.80	He of the control of the Country Const Country Const
- Qid.	Now smart antochis created using Remix IDE? Open Paro Remix IDF in your neb transvera.
	(meate a new solidity file asset
2	write the smart content code using solidity program long.
A1.	Use the built -Pm editors Deatures for code completion &
	synteen highlighting.
8.	Click the compiler butter to check for any compliation errors
	Once the coole compiles successfully, click the Deploy & Run
	Transa ations
7.	Test the deployment on test network.
03	You the smart contact is deployed using Romix IDE?
2.00	Open +olm/x 1DF.
2.	open or preate solidity smart contract.
	Click the compile button to check compilation comms.
	Go to the Deploy & Pun Transaction" too in Pennix 2Df.
5.	(onnect IDF to am fth mh (eg: JS VM (JVM))
	Click the Deploy betton
4 .	Confirm the Agansaction deteirs on the popula window
	that oppears.
8	wait for the transaction to berninear, I once its successfully
	minel, your smart contract is deplayed smady to use on Ptn Mw.
	FOR EDUCATIONAL USE

	DATE:
06.	Nhatis GAS?
5	Gas is the context of Blockchoin motors to the unit of
	computational effort required to execute operation as
	Smoot contracts on the value. It acts as a measure of
	computational resources consumed during townswithin
	or contact inlexactions.
	each operation on the EXCT consumes specific amount
	of GAS.
	D3 GAS
Dec	What is account for Romix IDF?
05.	An account represents a uses & identity or address on
=>	the Eth BET. It's associated with a private key that
	the the BET. It is another a forest with the
	allows the user to sign transaction of Enteract with the
	Blocketain. Romin 2015 provide, a list of accounts Mal
	you can use to deplay & Porteract with amount contracts.