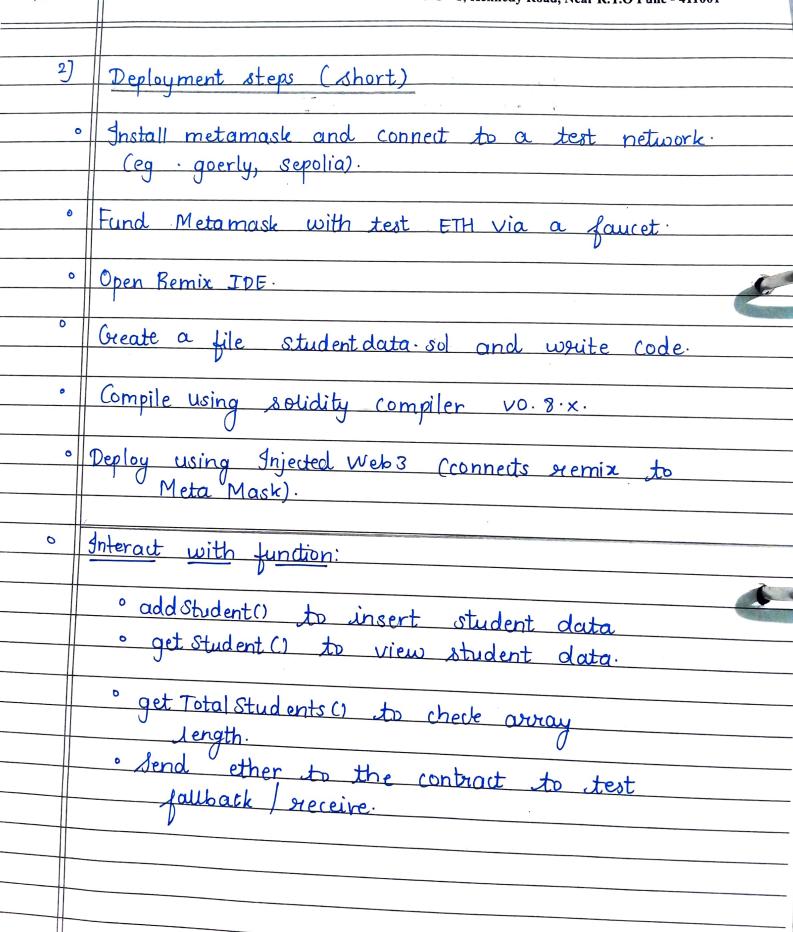
		Paratical - 04
		Practical - 04.
	*	<u>Aim:</u> Write a program in solidity to create Student
		<u>Aim: Write a program in solidity to create Student</u> data. Use the following constructs -
		o Structures.
D.	i	o arrays.
		Deploy this as smart contract on Ethereum and Observe
		the transaction fee and Gas values
		D J
		·
	*	Theory:
	#]	Key constructs -
		
9		Ostructures: struct student stores student details
		(id, name, age, course).
		· Arrays:
	-	Student [] students is a dynamic array
		holding multiple student records
	-+	· Fallback Lynction: Pallback () is invaled it
		· Fallback function: fallback () is invoked if Someone sends Ether or calls a function that
	-+	does not exist
	-+	WAS THE CHANGE
	1	· Receive Linction: Gereine () allows accession allows
		Receive function: receive () allows receiving other via direct transfer.



- 3) Observing transaction fee and Gas.
 - · Each transaction consumes gas.
 - Before confirming a transaction in Metamask, it shows estimated gas fee.
 - o After execution you can check actual gas used and transaction fee in ETH on etherscan (via transaction hash)
 - · Example
 - gas (depends on the string length).
 - o Sending ether directly triggers receive ()
 or fallback () with gas ~21000 for
 simple transfers-

CON CLUSION:

The smart contract was successfully created and deployed on an ethereum test network.

Student data can be added and retrieved using structures and arrays. While the jallback function allows the contract to receive Ether.