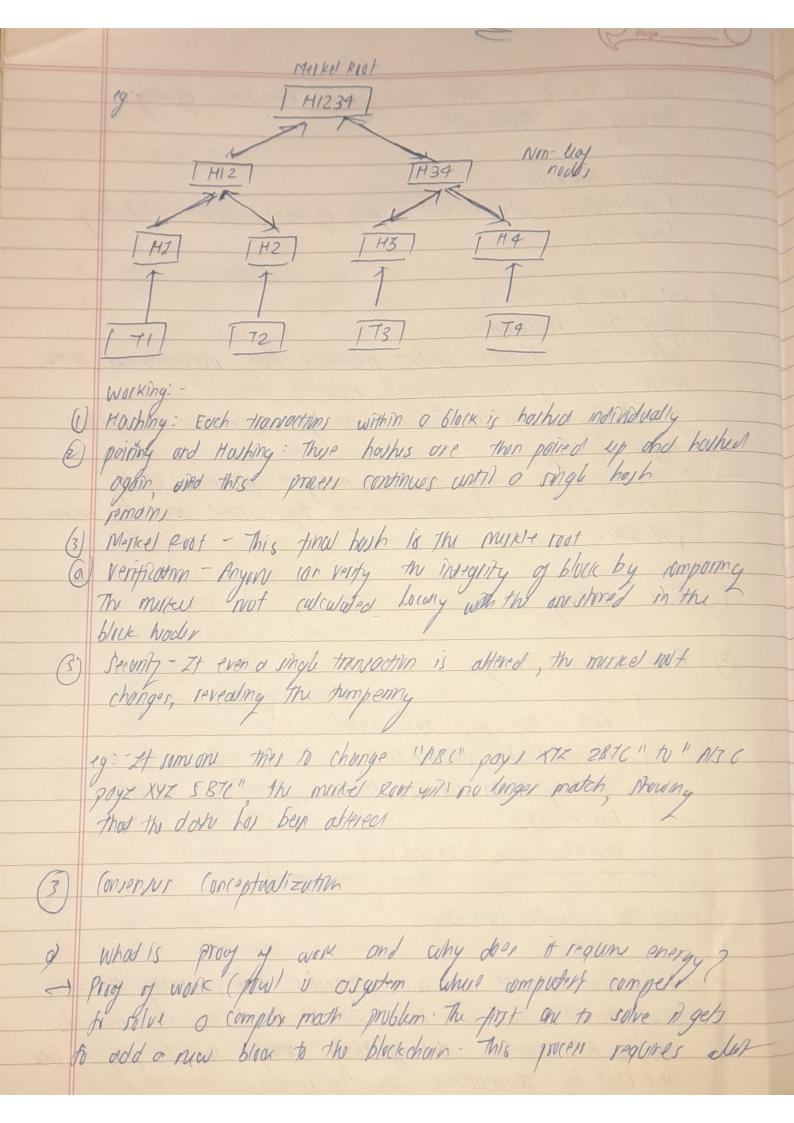
Blockseblock-tasks Mini task-I & Theoretical part Blockchain Bunis a sofw blockchain in your own words A blockshain is a special type of database that stores into in blocks. This blocks are intern tenneded to each other through the providus hach . Each block contains date, time - stump, o reference to the prenous block, and a unique code called o hash once duta is adoled to the blockchain it cannot be changed easily, which means makes it very secure It is immutible It is a decentralized, morning it is controlled by a single person or computers. Bluckchain is often used for The below are characteristics: Decentralized - No single duthonty controls the network. Immutable - Dute is temper-probey and cannot be attered Trunsparen - All trunsactions are publishy ningle Consensus - Network nodes verify and togree on transaction, Sewro - projected by cryphyraphic algorithms Distributed - Data is stred across a notwork of nodes Summerous - self exeluting commets can be crelibed Types of Blockichein. public Blockchain upen to anyone decentralized and transquent (by Bitcoin, ethereum) Privado Blockchain Remitted occers central control and limited transporting Consortium Blackshain Hybrid of public and private blockchains, with restricted access and (4) Pybrid Blockchain

fexitivity and automization and private thereham, offering 6) Federated Blackchoir tour motern. a List 2 real-life coles. () Supply their management Dukdoir helps to track product movement from moneyacturers to the customer, ensuring transposency & reducing from moneyears of vechain is a Blackchoir platform used for supply chair moneyement H conto used to servely sorred a managed personal identity information, helping spread identity try and impriming order 2) Block Anatrmy (u) Draw of block showing: Date: "ABC pays XYZ 2B7C"

previous Hosh: 000 olb 2(3:...

Thustump: 2025-06-06 ft 30:60 Nonce : 39247 MATICO ROUNT: NEW 1234 efgh 5678 --(b) mencel Rout Exphonation (with example) set of trunsolting with in a block. It's the rough node of marked in a block by summarizing the transaction, the integrity of deter



of computer power and energy belowe the problem is horn to difficult, making is scrived to protecting that adding black in span as anche. I protecting the authorite from (b) What is pray of state and how does it differ? POS II an afternative to pow Interest of strong moth publems,

validation are cheen based on how many constituy are "striked"

or lack up or a security deposit the more come you strike

the higher your chance to salidate no next blade pus

wer much be energy than pow because & doesn't med

powerful computers solving puzzly. (c) What is Deligated proof of stake and how are validators Des is a roting bused veron of us. Taken holders vote nooch that a few for the formulation who are tego responsible for which for what for more scalable the relative goldway or revended to furty this mother It they act badly can be reted and by the community