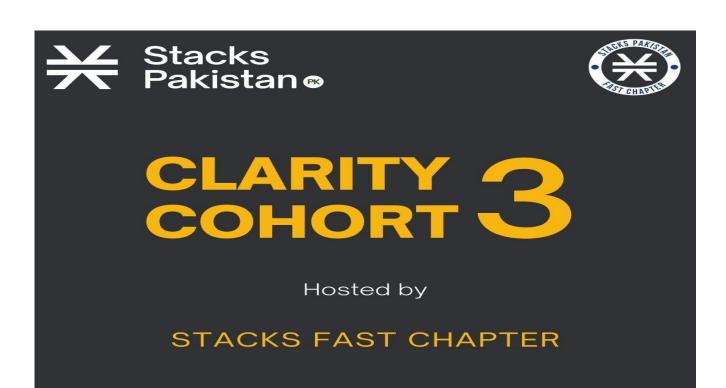
Stacks Clarity Cohort Batch 3



Course Title: Clarity Development

Credit Hour: 3 hour

Course Instructor: Team Stacks Fast Chap.

Textbook: Clarity of mind by Marvin Jansen

References: Stacks Clarity Tools

Week No	Topic
Week 1 (By Ahmad)	Orientation (what we have done and what we aim to achieve further in future) • Intro to all tools and platforms we will interact with
	Why Stacks Blockchain: Clarity vs Solidity
Week 2 (By Abdur Rehman)	 Blockchain basics (public private keypair), Importance of hashes, validating transactions, Data Structure of Blockchain
	 Consensus mechanisms (Proof of work, Proof of stake, Proof of Burn)
	 Cryptography basics (History> Present> Future)
Week 3	
(By Abdur Rehman)	 Need of Smart Contracts
	 Genesis Block (Block Content)
	 Merkel Tree (Working and Implementation)
	ASSIGNMENT - 1
Week 4	Clarinet/VS Code Installation + Project Setup & Structure
(By Ummar Ikram)	 Data Types (Primitives, Sequences, Composites) + Keywords
Week 5	• Functions (Public, Private, Read-only)
(By Ummar Ikram)	 Control Flow/Branching + Error Handling
	ASSIGNMENT - 2
Week 6	Traits/Interfaces
(By Ummar Ikram)	• NFTS/FTS + SIP Standards
	ASSIGNMENT - 3
Week 7	Digital Art Marketplace Project (Next JS + Gaia + Clarity)
(By Ummar Ikram)	Mint Digital Art as NFTsTransfer/Sell NFTs and Get STX/Money
Week 8	Final Note by Stacks Pakistan senior exe.
(Team Stacks)	Smart Contract Competition
	Resume RecommendationsMost Active Participant Award

Speaker Sessions: Expert Speakers will be invited to share their valuable thoughts about a certain topic.

Important Instructions:

- You should attend the class with the camera on along with a provided picture background from Stacks Pakistan.
- You have to mark your attendance on the attendance form that will be shared with you before starting of every session
- You should be attentive during the sessions.
- You should abide by moral ethics and no vulgar or immoral activities are allowed during the sessions.
- You should be disciplined and punctual.
- Your attendance should be 70%, otherwise, you might be expelled from the program.
- You should study about the given lectures and sessions daily, you might be asked some questions from previous questions.
- Last week you will have to attempt all the projects and use cases in order to get a certificate and some other opportunities i.e recruitment and internships.
- You have to send reflection papers on daily basis to Stacks

 Pakistan on our email stackspakistan@gmail.com or google classroom.
- On these reflection emails you will write, what you have learned on that day, your feedback about how we can improve ourselves more.