

# Week 2: Transactions and Blocks

## Mentor Session Plan

### Learning objectives

- Code Walkthrough: Basic Blockchain

### Session Structure

Time Distribution of 3 hours	Topic	Detail
First 10 min	Explain the session structure	<ul style="list-style-type: none"> <li>• Explain the agenda and learning objectives of the session</li> </ul>
2 hr 30 min	Walkthrough the content in the Notebooks	<ul style="list-style-type: none"> <li>• Explain Code Walkthrough: Basic Blockchain <ul style="list-style-type: none"> <li>◦ Introduction of Merkle Tree</li> <li>◦ Merkle Tree - Python Implementation</li> <li>◦ Dodocoin Implementation</li> <li>◦ Wallet Class - Creation and Usage</li> <li>◦ Block Class - Creation and Usage</li> <li>◦ Dodocoin Class - Creation and Usage</li> <li>◦ Node Class - Creation and Usage</li> <li>◦ Driver File</li> </ul> </li> <li>• Add your own example based on your experience in the same context.</li> </ul>
20 min	Interactive Q & A	<ul style="list-style-type: none"> <li>• Doubt clearing and discussions with participants and</li> </ul>

		summarizing the session
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