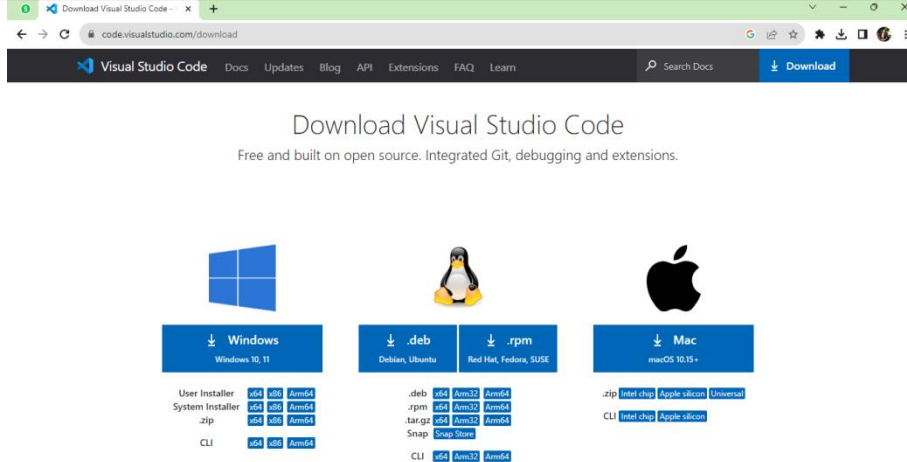


## project Development Phase Model Performance Test

Date	10 November 2022
Team ID	NM2023TMID03964
Project Name Project -	Blockchain - Powered Library Management
Maximum Marks	10 Marks

### Model Performance Testing:

Project team shall fill the following information when working for blockchain.

Sno	Parameter	Values	Screenshots
1	Information gathering	Setup all the Prerequisite:	

nodejs.org/en/download

node

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## Downloads


Latest LTS Version: 18.18.2 (includes npm 9.8.1)


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macOS Installer  
node-v18.18.2.pkg

  
Source Code  
node-v18.18.2.tar.gz

Windows Installer (.msi)  
Windows Binary (.zip)  
macOS Installer (.pkg)  
macOS Binary (.tar.gz)  
Linux Binaries (x64)  
Linux Binaries (ARM)

32-bit	64-bit
32-bit	64-bit
64-bit / ARM64	
64-bit	ARM64
64-bit	
ARMv7	ARMv8

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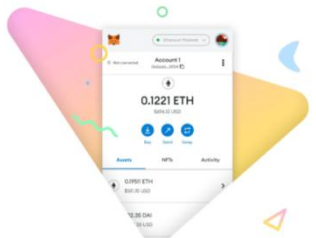
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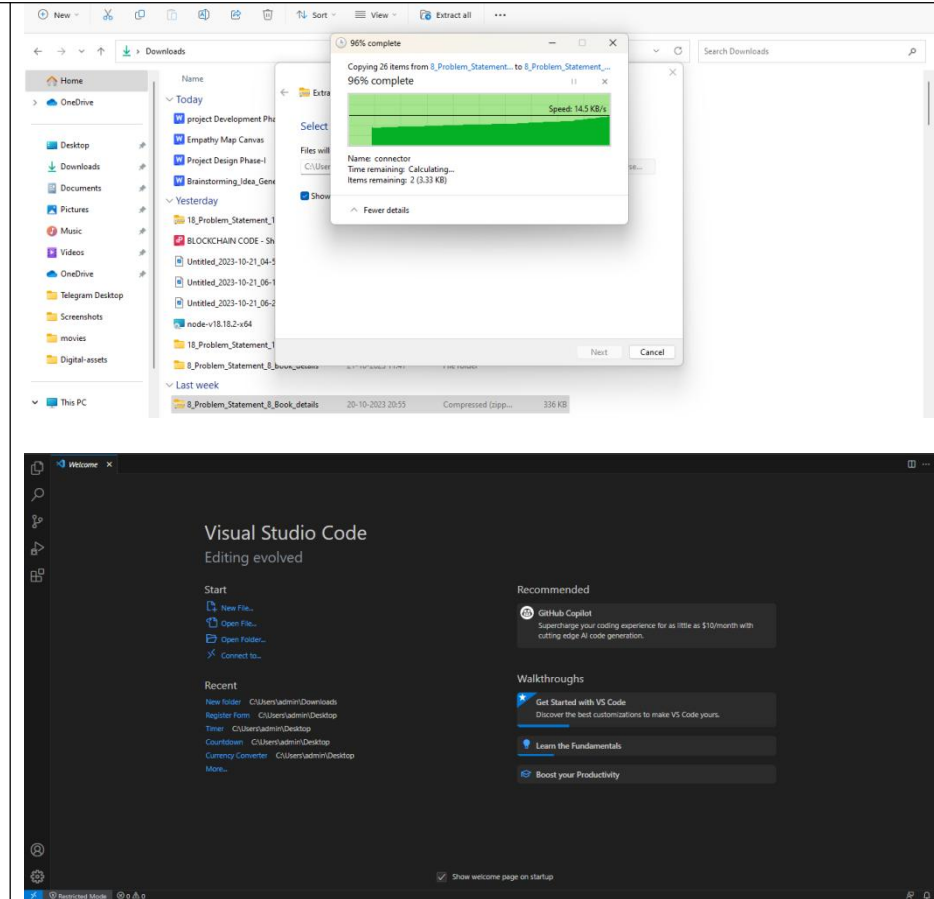
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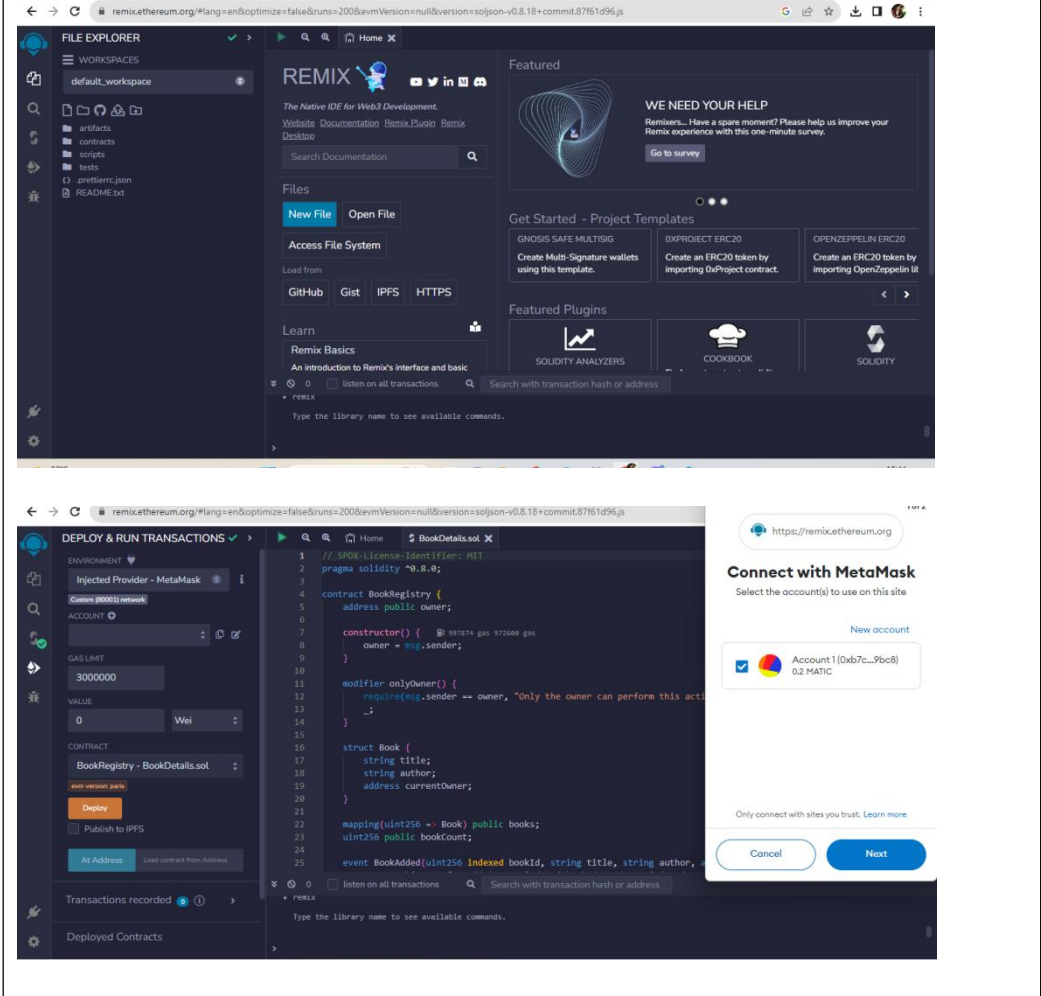


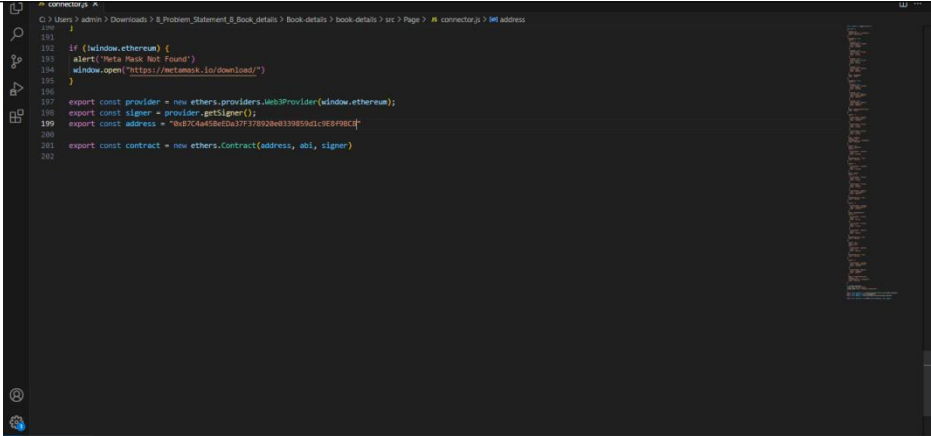
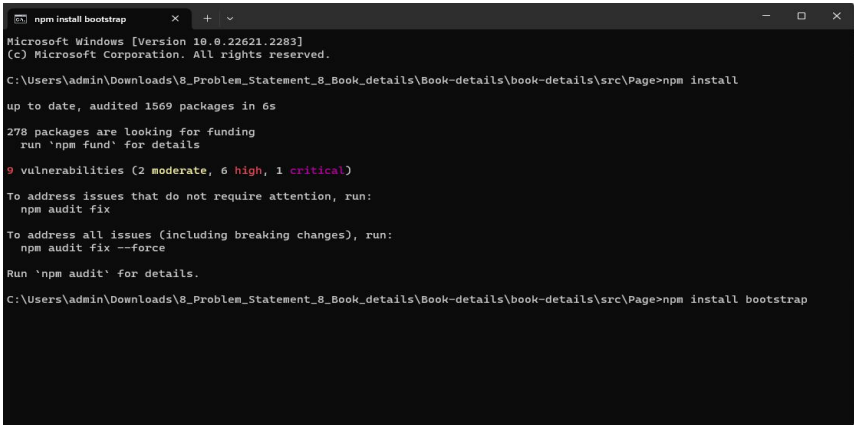
2

Extract the zip files

Open to vs code



3	Remix Ide platform exploring	<p>Deploy the smart contract code</p> <p>Deploy and run the transaction. By selecting the environment – inject the Meta Mask.</p>	 <p>The image displays two screenshots of the Remix IDE interface. The top screenshot shows the main dashboard with options to create new files, access the file system, and get started with project templates. The bottom screenshot shows the 'DEPLOY &amp; RUN TRANSACTIONS' panel with the 'Injected Provider - MetaMask' environment selected. It displays a Solidity code editor for 'BookDetails.sol' and a 'Connect with MetaMask' dialog box.</p>
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4	Open file explorer	<p>Open the extracted file and click on the folder.</p> <p>Open src, and search for utilities.</p> <p>Open cmd enter commands</p> <ol style="list-style-type: none"><li>1.npm install</li><li>2.npm bootstrap</li><li>3. npm start</li></ol>	 <pre>100 connector.js 101 102 if (!window.ethereum) { 103   alert("Meta Mask Not Found") 104   window.open("https://metamask.io/download/") 105 } 106 107 export const provider = new ethers.providers.Web3Provider(window.ethereum); 108 export const signer = provider.getSigner(); 109 export const address = "0x1C4a5D6a0a377822b633895d1c3E8F9BC1"; 110 export const contract = new ethers.Contract(address, abi, signer); 111</pre>  <pre>npm install bootstrap Microsoft Windows [Version 10.0.22621.2283] (c) Microsoft Corporation. All rights reserved.  C:\Users\admin\Downloads\8_Problem_Statement_8_Book_details\Book-details\book-details\src\&gt;npm install  up to date, audited 1569 packages in 6s  278 packages are looking for funding   run `npm fund` for details  9 vulnerabilities (2 moderate, 6 high, 1 critical) To address issues that do not require attention, run:   npm audit fix To address all issues (including breaking changes), run:   npm audit fix --force Run `npm audit` for details.  C:\Users\admin\Downloads\8_Problem_Statement_8_Book_details\Book-details\book-details\src\&gt;npm install bootstrap</pre>
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			<pre> run 'npm fund' for details  9 vulnerabilities (2 moderate, 6 high, 1 critical) To address issues that do not require attention, run:   npm audit fix To address all issues (including breaking changes), run:   npm audit fix --force Run 'npm audit' for details. C:\Users\admin\Downloads\8_Problem_Statement_8_Book_details\Book-details\book-details\src\Pages&gt;npm install bootstrap added 1 package, and audited 1569 packages in 13s 278 packages are looking for funding   run 'npm fund' for details 9 vulnerabilities (2 moderate, 6 high, 1 critical) To address issues that do not require attention, run:   npm audit fix To address all issues (including breaking changes), run:   npm audit fix --force Run 'npm audit' for details. C:\Users\admin\Downloads\8_Problem_Statement_8_Book_details\Book-details\book-details\src\Pages&gt;npm start &gt; book-details@0.1.0 start &gt; react-scripts start </pre>
5	{LOCALHOST IP ADDRESS}	Copy the address and open it to chrome so you can see the front end of your project.	<p>Local: <a href="http://localhost:3000">http://localhost:3000</a>  On Your Network: <a href="http://192.168.71.166:3000">http://192.168.71.166:3000</a></p> 