4- Based on you knowledge about Software Engineer, fill the gaps with the correct activities:

Software Development

Collaboration

Design and Architecture

Documentation

Coding and Implementation

Testing and Debugging

Maintenance and Upgrades

Continuous Learning

1. Write code according to the design specifications,employ various programming languages, frameworks, and tools to implement the required functionality, and ensure the code is well-structured, and efficient _____

2. Write code using programming languages,project managers, business analysts, and designers _____

3. Perform unit testing, integration testing, and other testing methodologies _____

4. Monitor its performance, address any issues that arise, and release updates or patches as needed _____

5. Actively participate in meetings, discussions, and code reviews to share knowledge, provide insights, and ensure the overall quality of the software _____

6. Create the overall structure and system architecture of applications, ensuring it meet the necessary standards and best practices _____

7. Need to stay updated with the latest trends, learn new skills, and adapt to changing industry standards to enhance their proficiency _____

8. Document their code and create technical documentation to help other developers understand the functionality, structure, and usage of the software _____