

1. Summarize the key challenges Compuware (or any other software company) faced before adopting DevOps and explain how their transition to a DevOps model, through improved agility, tool integration, and continuous delivery practices, helped them overcome those issues. Mention the tools used in their DevOps toolchain and highlight the main improvements in their performance metrics.

Sol: A short detail is given in section 1.3.8 of CICD_Module_CD.pdf. However you need to make a proper detailed solution. Write minimum 2-3 points about each tool, for example.

Jira:

JIRA is a popular project management and issue-tracking tool developed by Atlassian. In the context of the Compuware DevOps case study, JIRA was used for:

- **Project Management:** Organizing and tracking development tasks and projects.
- **Agile Boards:** Supporting agile methodologies like Scrum and Kanban.
- **Task Management:** Keeping track of all development activities.
- **Integration:** Linking with other tools in the DevOps toolchain to support continuous feedback (e.g., automatically creating issues when defects are detected in production).