PRACTICAL: 1

AIM: Explore the Jira as a project management tool for the agile Development. Execute following Activity in Jira Tool.
1) Free Trial Setup
2) Create an Epic
3) Create an Issue
4) Create Story
5) Create Subtask 6) Create Sprint

THEORY:

Jira is a comprehensive project management tool often used in Agile development due to its flexibility and powerful features. It allows teams to plan, track, and manage their work efficiently. Here's a detailed description of Jira's components: Epic, Story, Issue, Subtask, and Sprint.

Jira Components for Agile Development:

1. **Epic:**

   An Epic is a large body of work that encompasses multiple tasks or stories. It represents a significant deliverable or a big feature that can be broken down into smaller, manageable pieces of work. Epics help in organizing and tracking the progress of large projects.

2. **Story:**

   A   Story (or User Story) is a single feature or piece of functionality from the user's perspective. It is a unit of work that provides value to the end user. Stories are often written in a specific format to emphasize user value, such as: "As a [user], I want [function] so that [benefit]."

3. **Issue:**

   An Issue is a general term used in Jira to describe any task, bug, or piece of work that needs to be tracked and managed. It is the most basic unit of work in Jira.

   Types of Issues: Task, Bug, Improvement, etc.

4. **Subtask:**

   A   Subtask is a smaller, more granular piece of work that is part of a larger task (such as a Story or an Issue). Subtasks break down the work into smaller steps to facilitate easier management and tracking.

5. **Sprint:**

   A   Sprint is a time-boxed period (typically 1-4 weeks) during which specific work (Stories, Issues, and Subtasks) is planned, executed, and reviewed. Sprints are central to the Scrum methodology, allowing teams to deliver incremental value and adjust plans based on feedback.

By effectively using these components, Jira helps Agile teams streamline their workflow, improve collaboration, and deliver high-quality software.
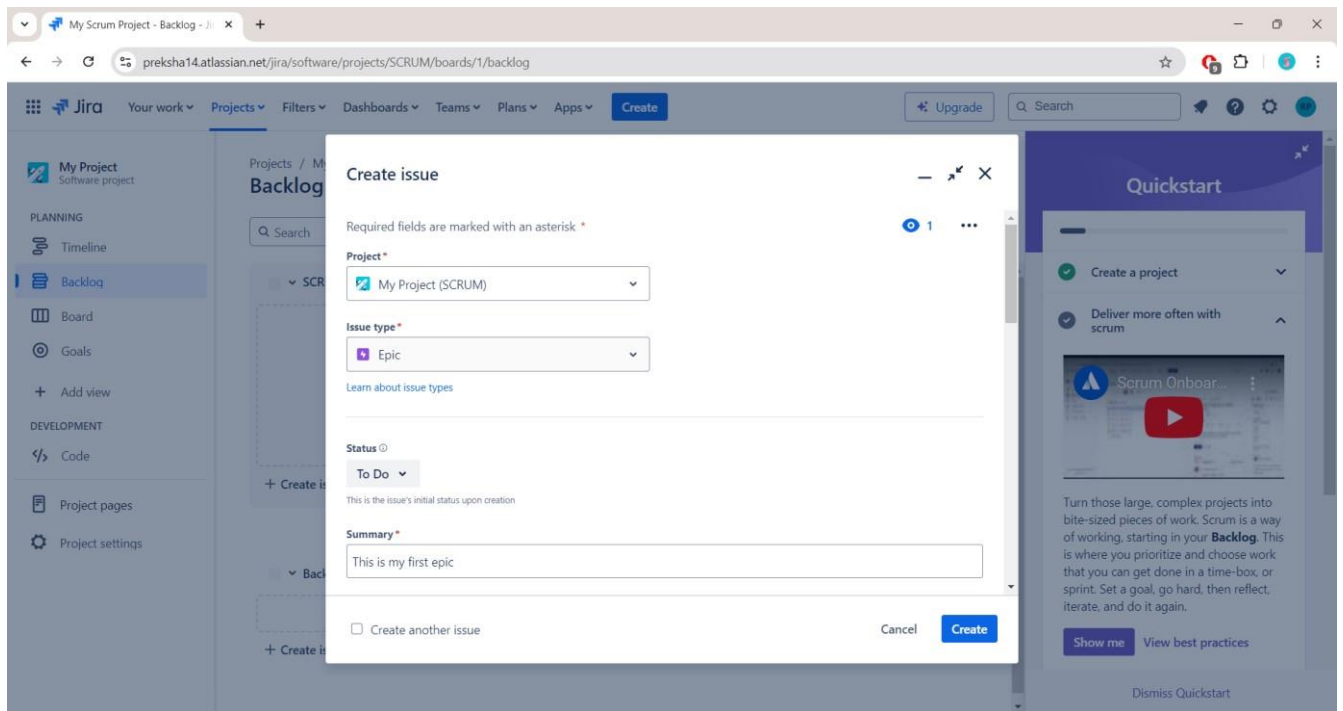
OUTPUT:

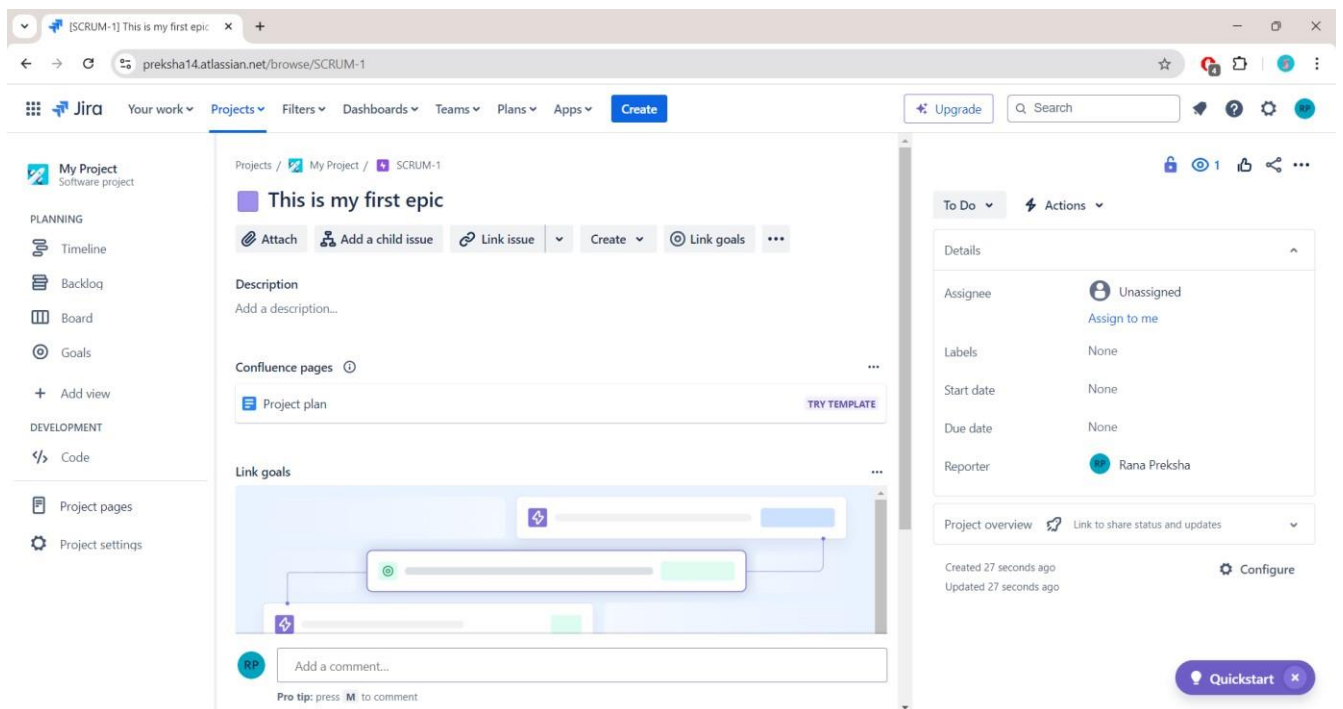*Fig 1.1: Create issue type epic and add summary into it*
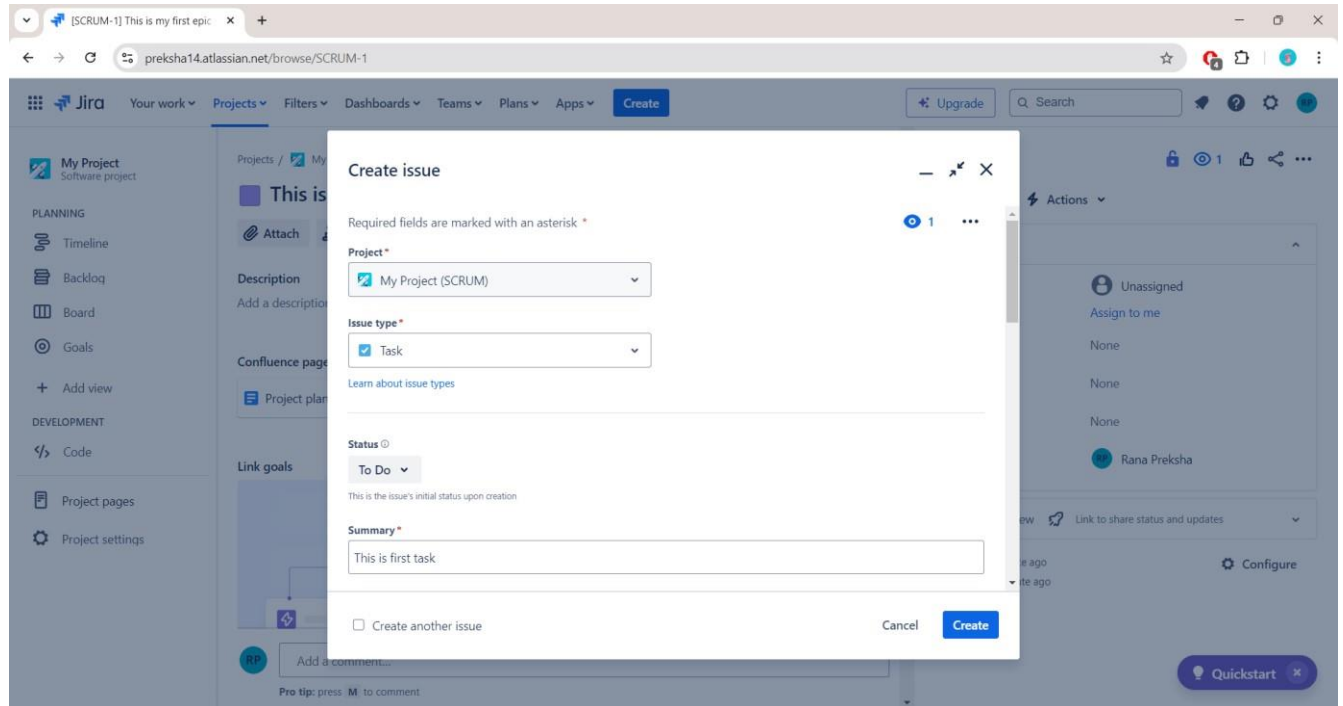

Fig 1.2: Epic issue is successfully created

Fig 1.3: Create issue type Task and select epic issue as Parent then add summary into it
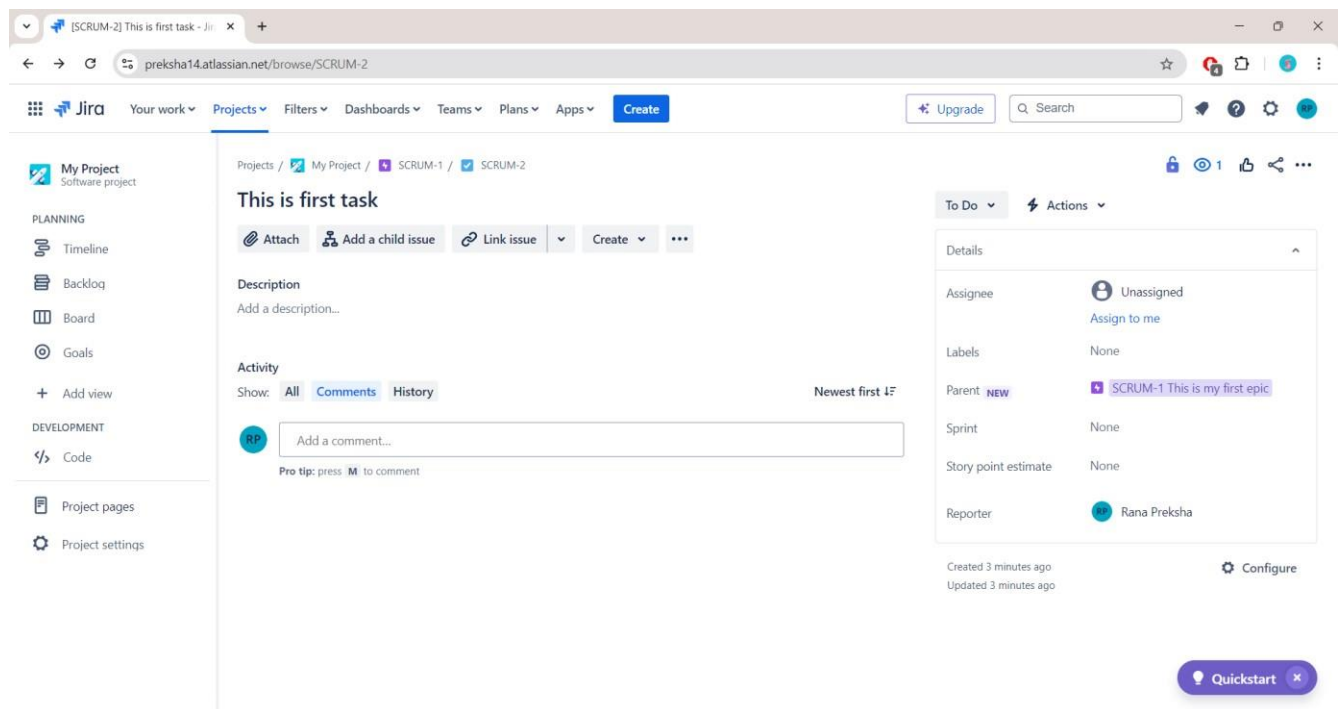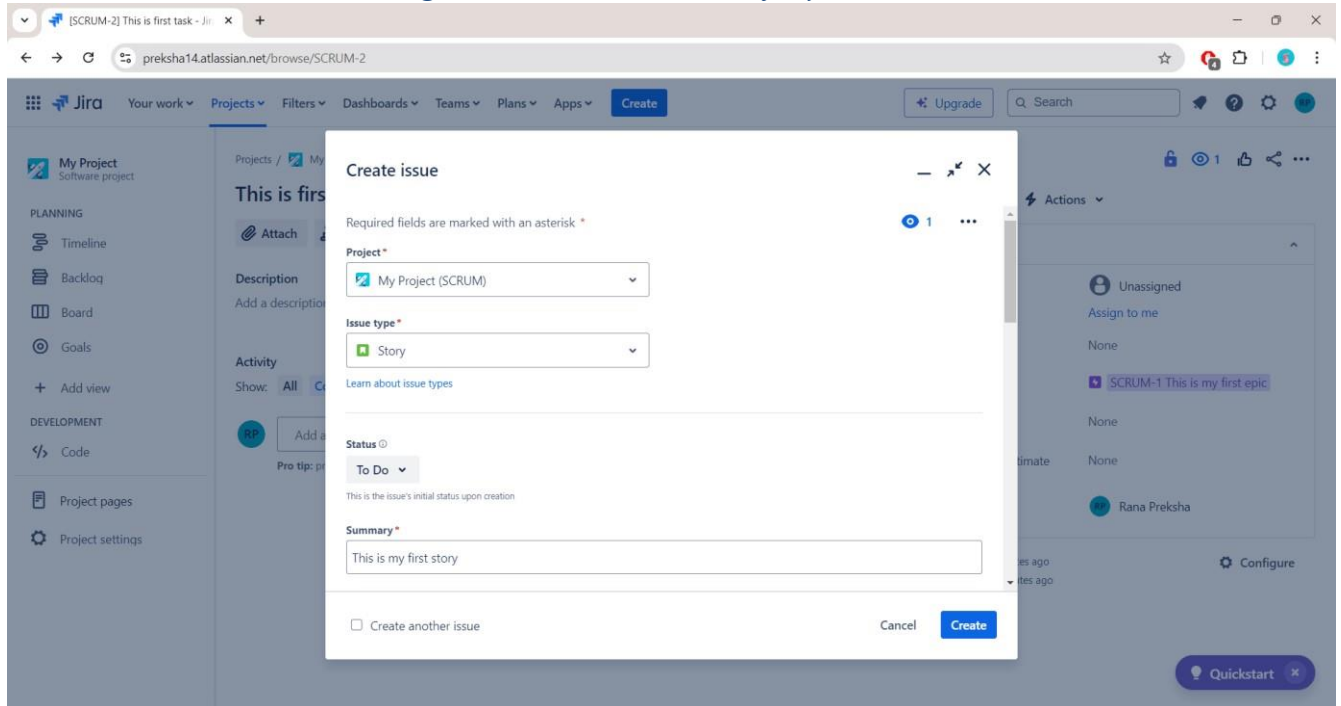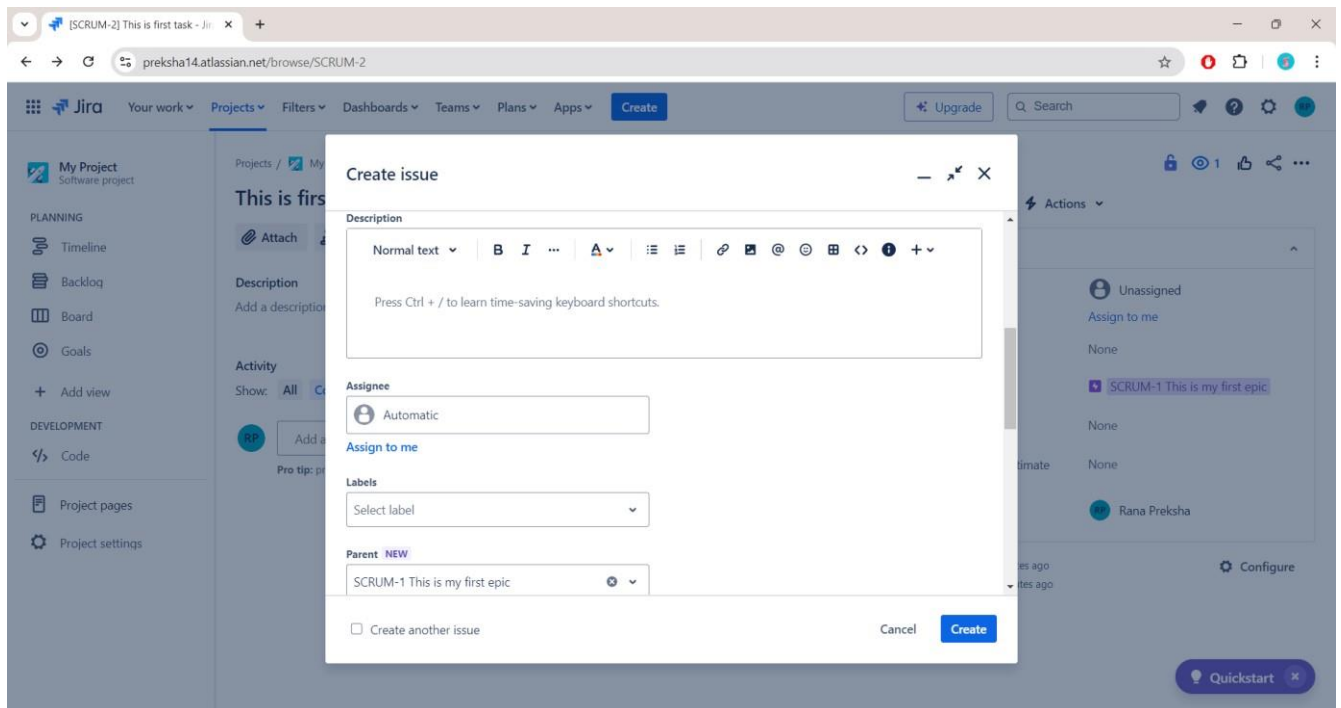
Fig 1.4: Task issue is successfully created

Fig 1.5: Create issue type Story and add summary into it
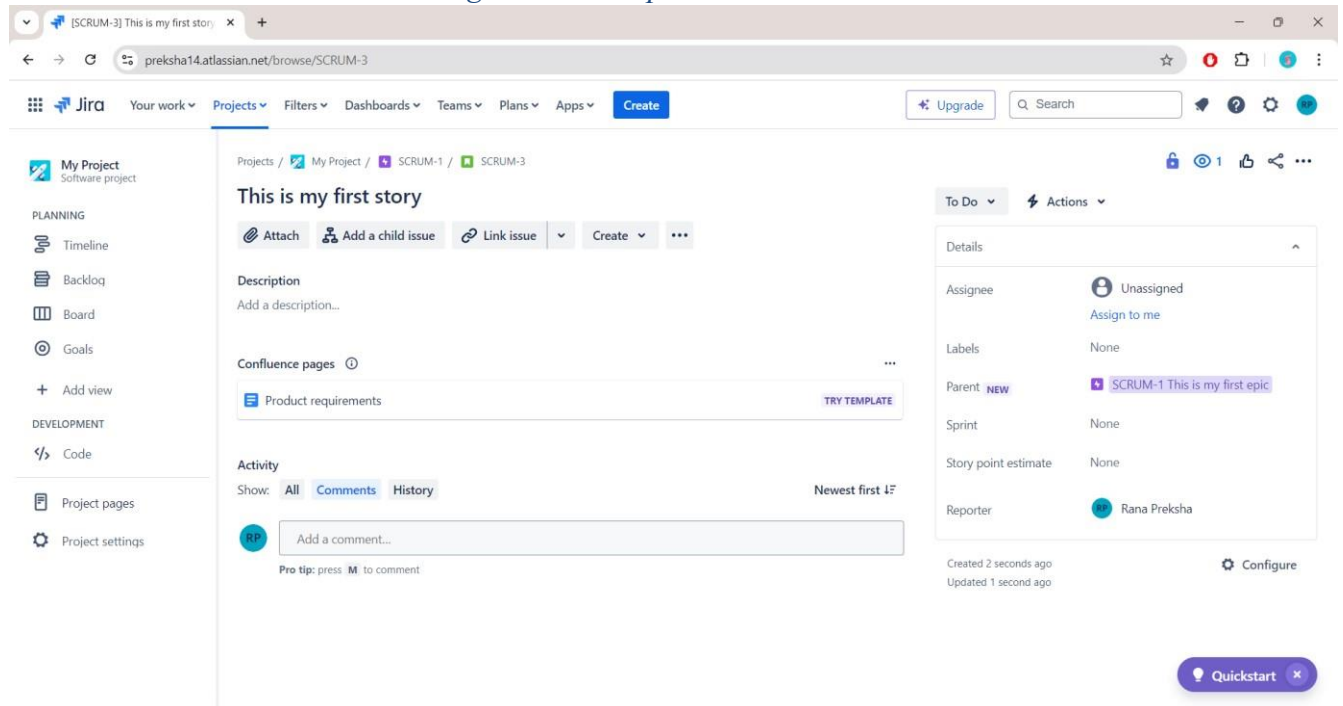
Fig 1.6: Select epic issue as Parent
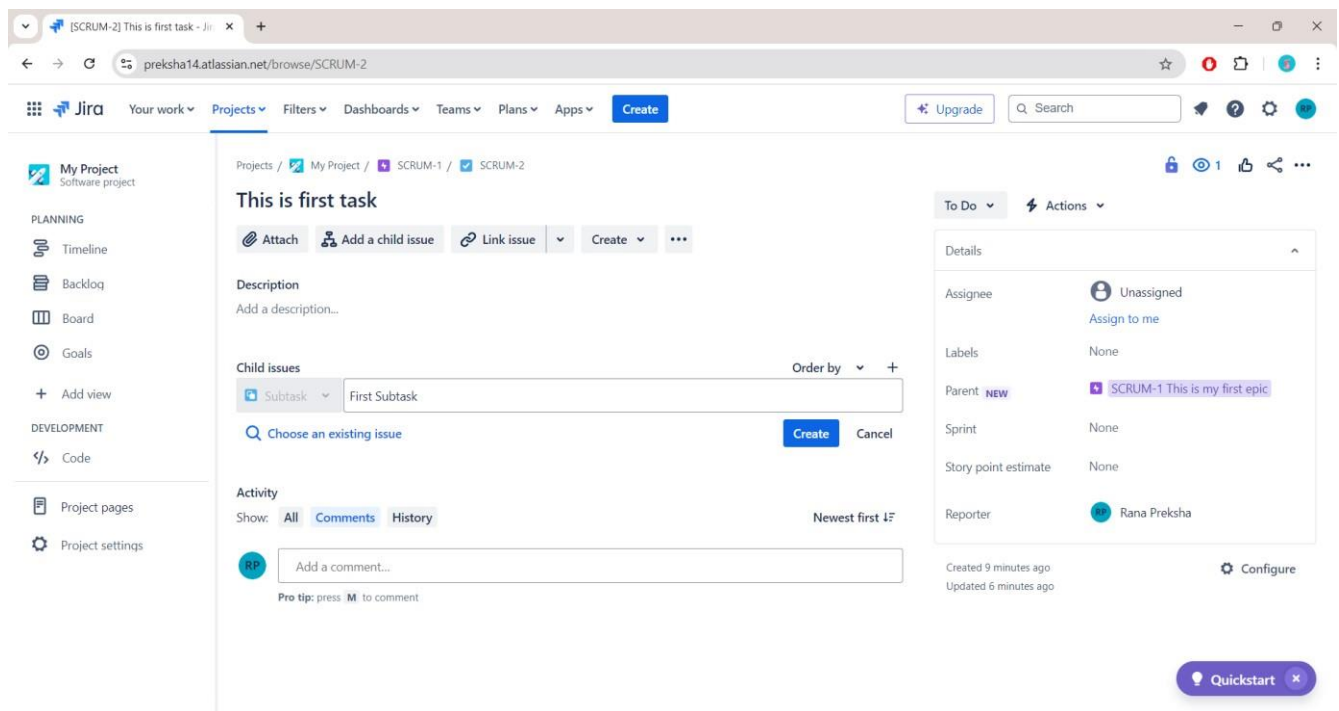

Fig 1.7: Story issue is successfully created

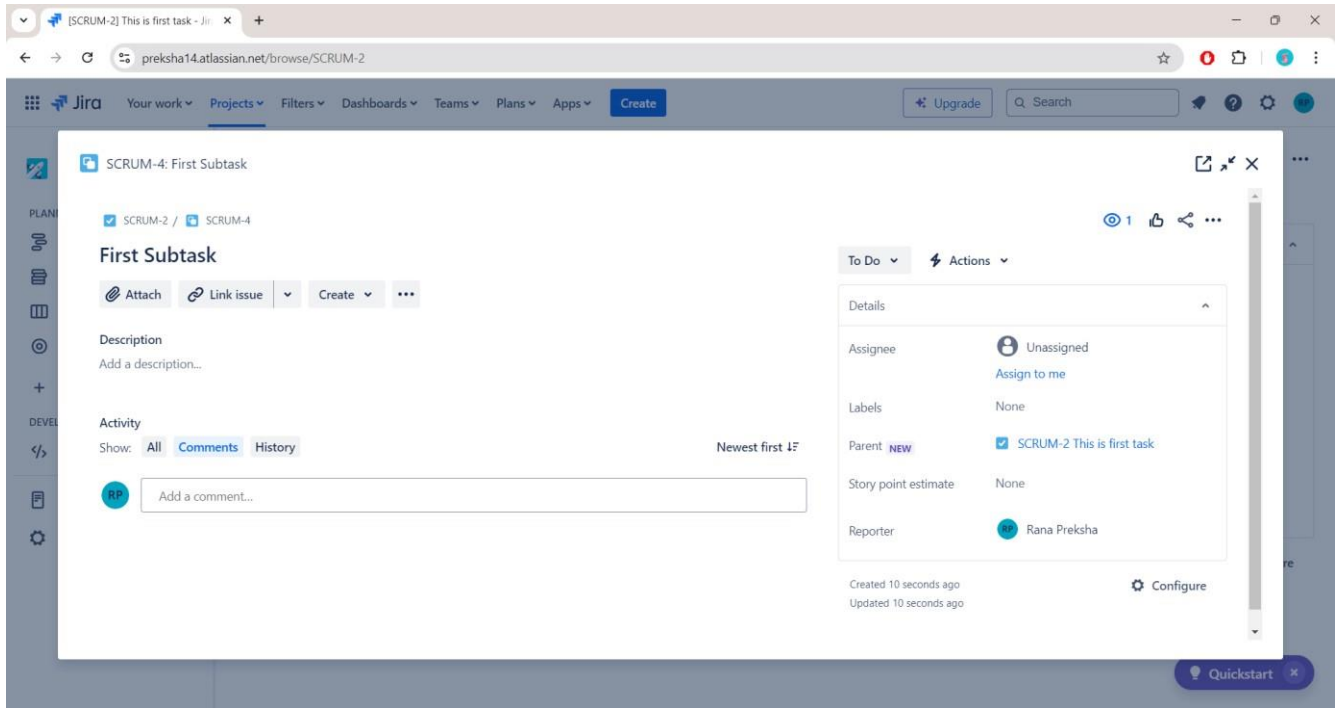*Fig 1.8: Select task issue and add a child issue into it*

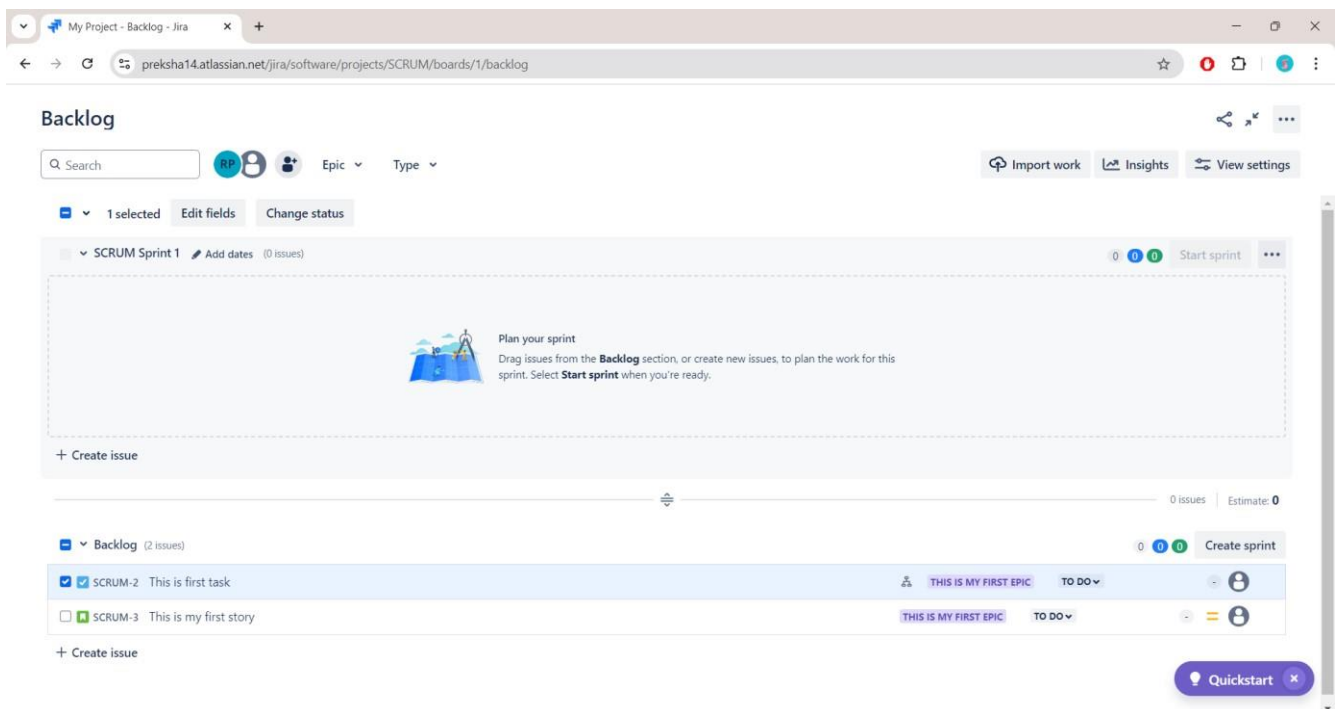*Fig 1.9: Child Subtask issue is successfully created*
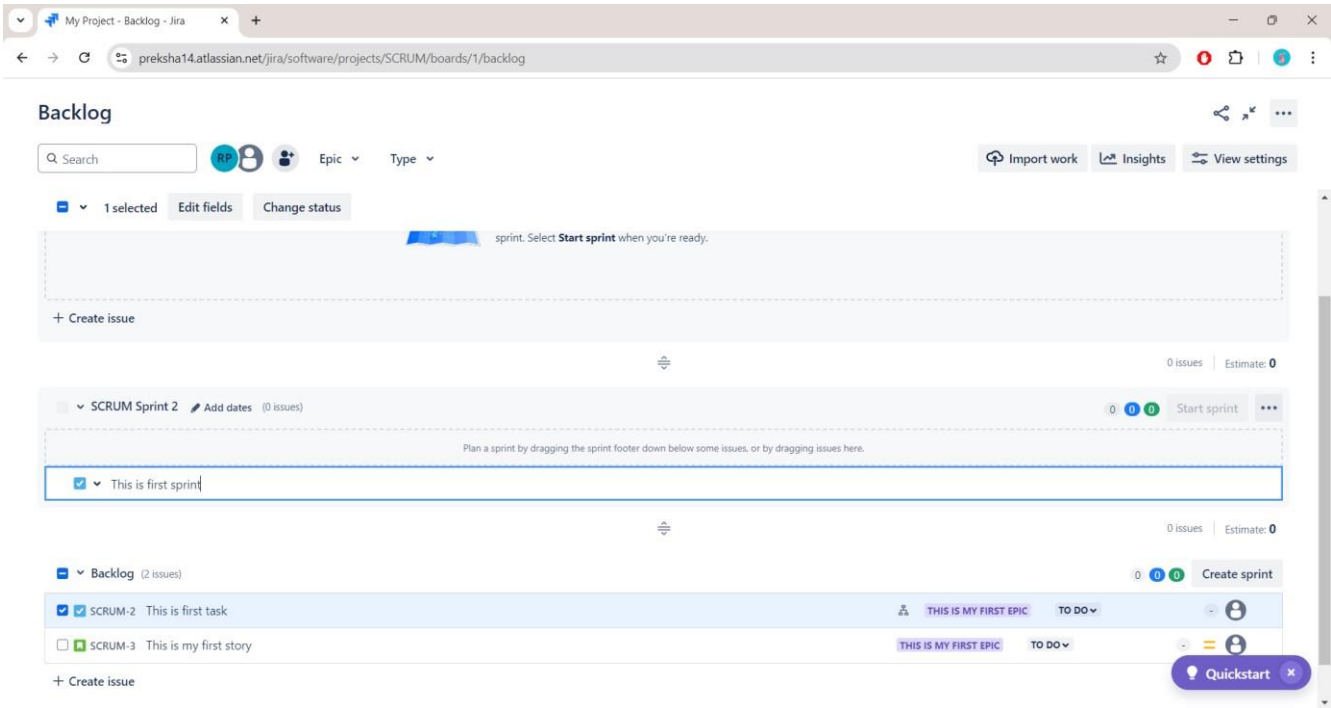

Fig 1.10: Select epic issue and create Sprint of it
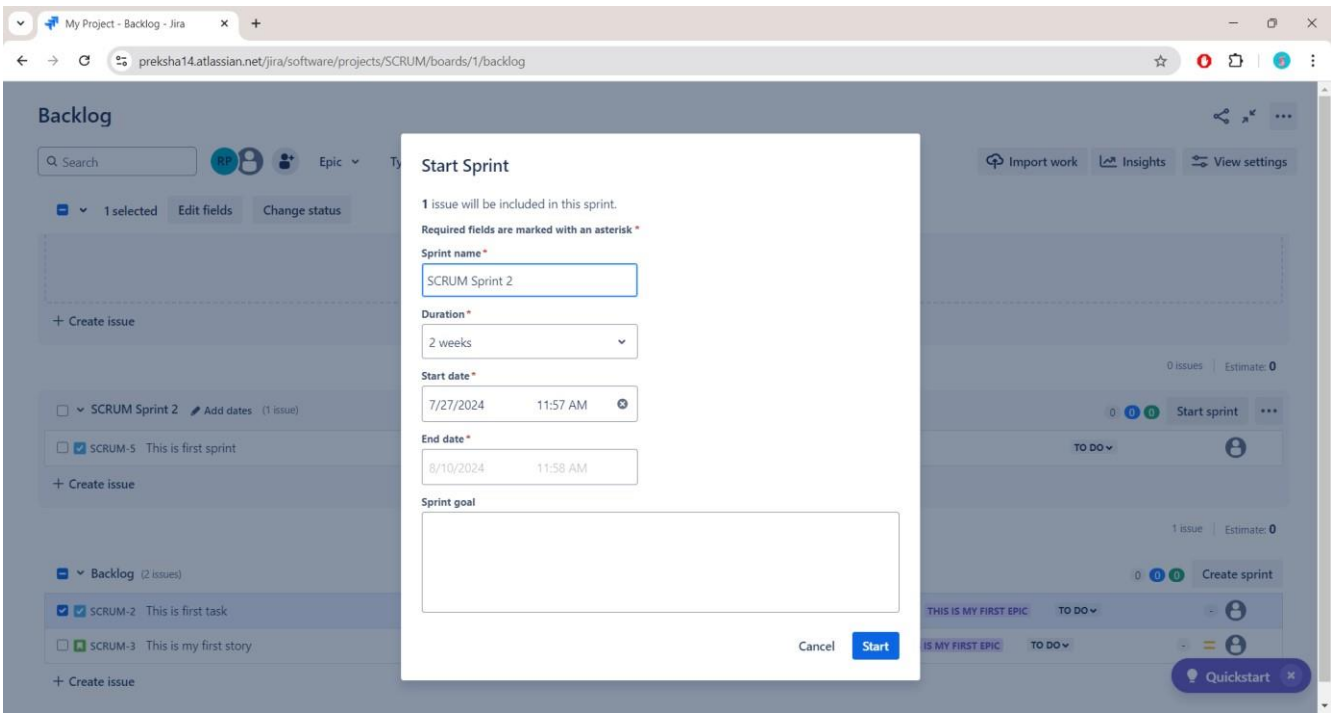
Fig 1.11: Add summary into it

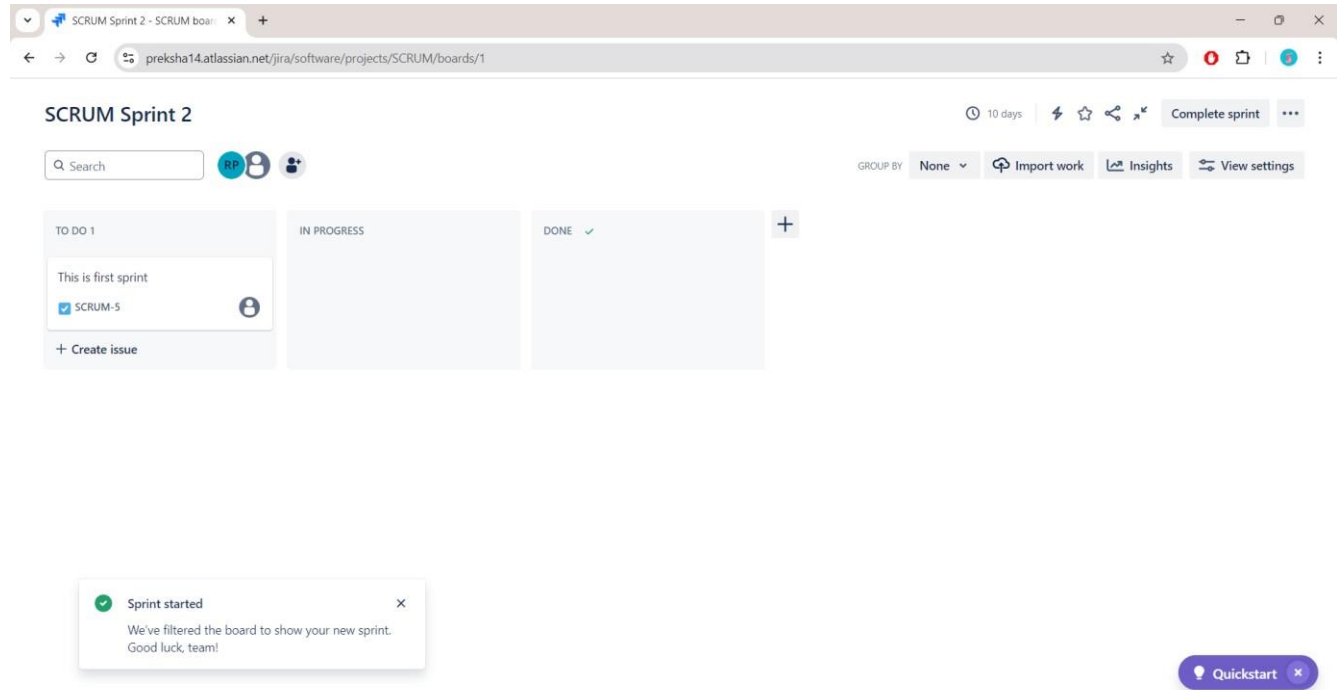*Fig 1.12: Start Sprint issue by adding Sprint name and details*

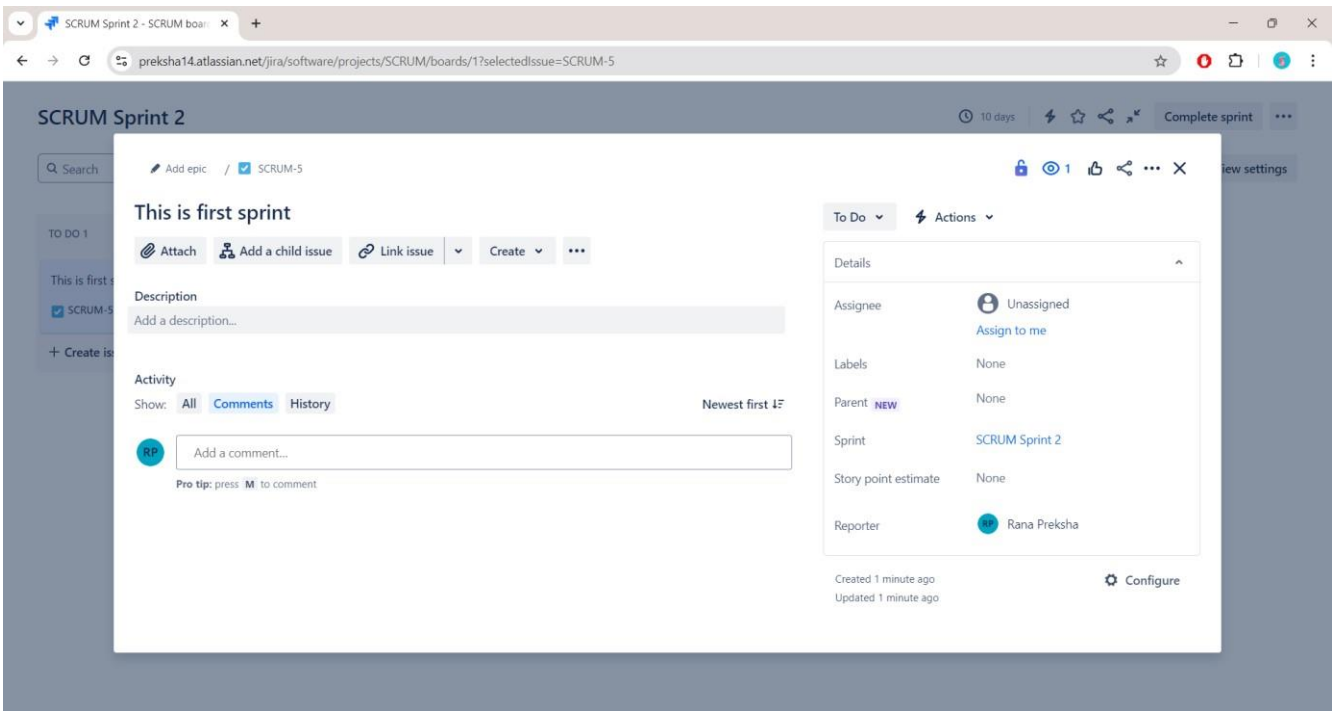*Fig 1.13: Sprint is successfully created*

Fig 1.14: Sprint with epic issue is successfully created

LEARNING OUTCOME:

From this practical, I learnt how to effectively use Jira as a project management tool for agile development by doing following task --

1. Create an Epic: Organize large tasks into manageable pieces.

2. Create a Story: Define features from the user's perspective.

3. Create an Issue: Track tasks, bugs, and work items.

4. Create a Subtask: Break down tasks into smaller steps.

5. Manage a Sprint: Plan, execute, and review work within a time-boxed period.

REFERENCES:

1. https://www.atlassian.com/