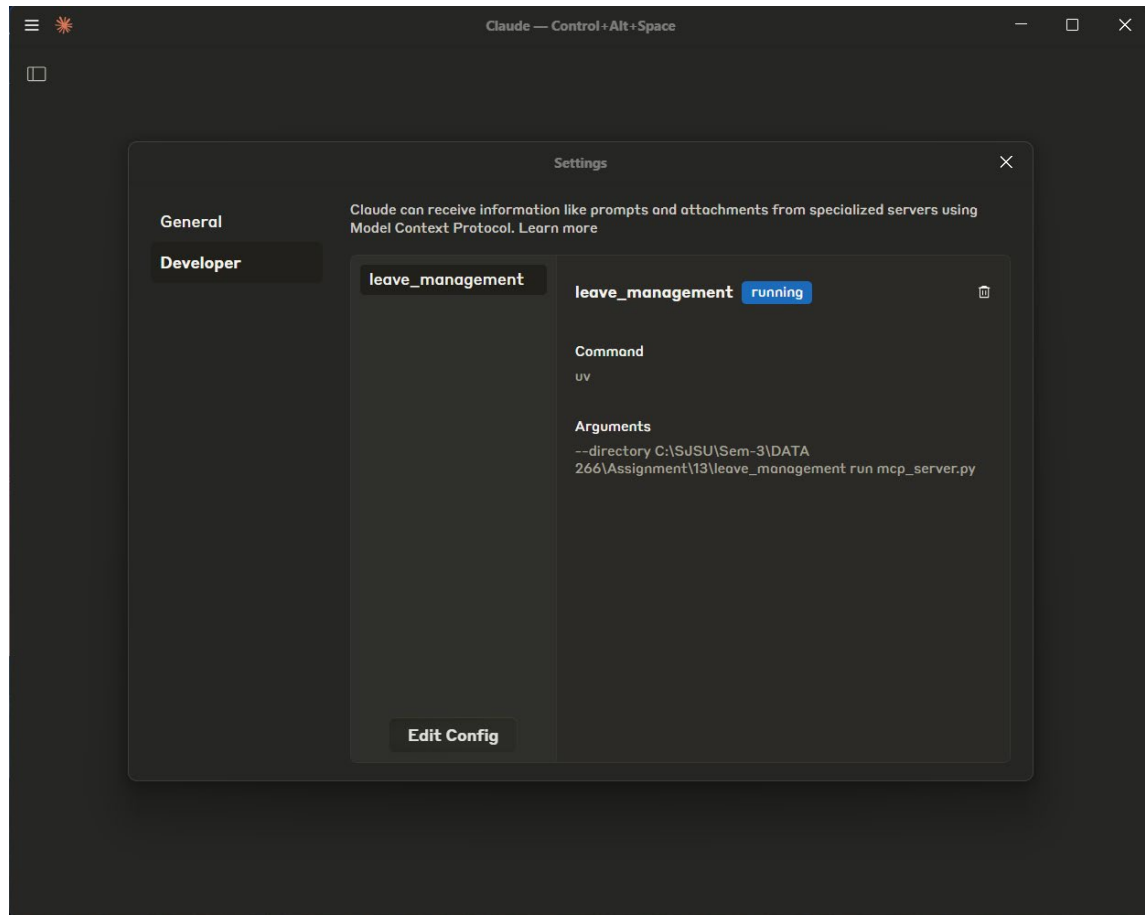
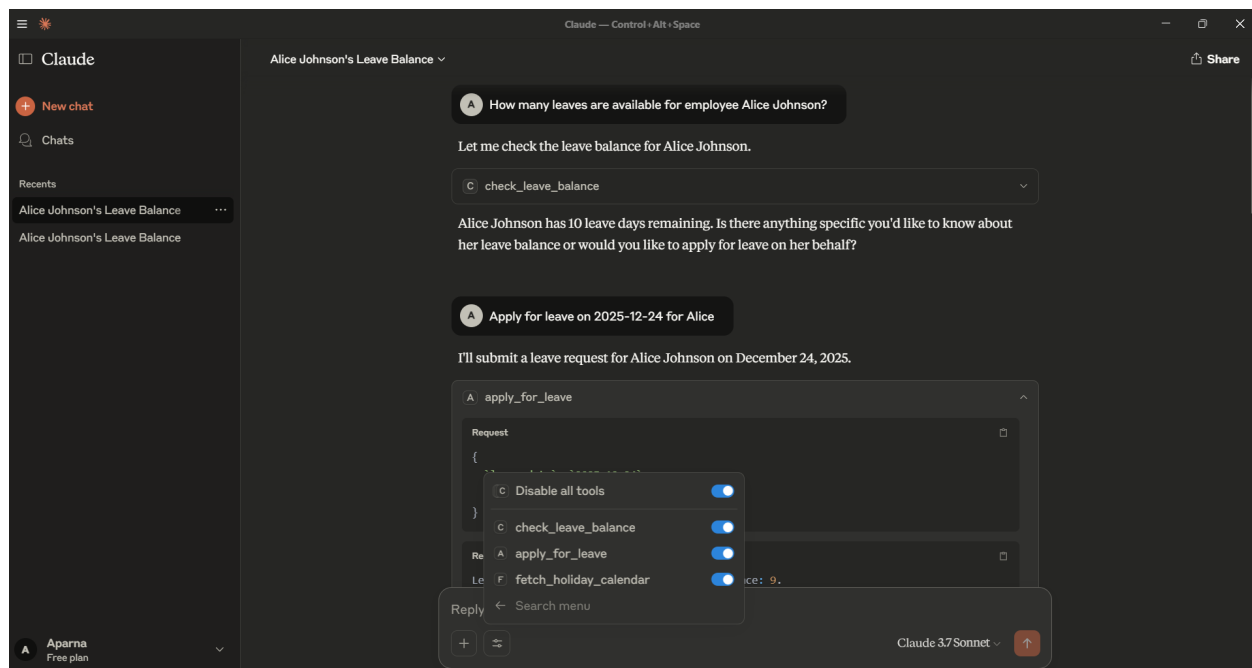


Assignment 13-Aparna Bharathi Suresh

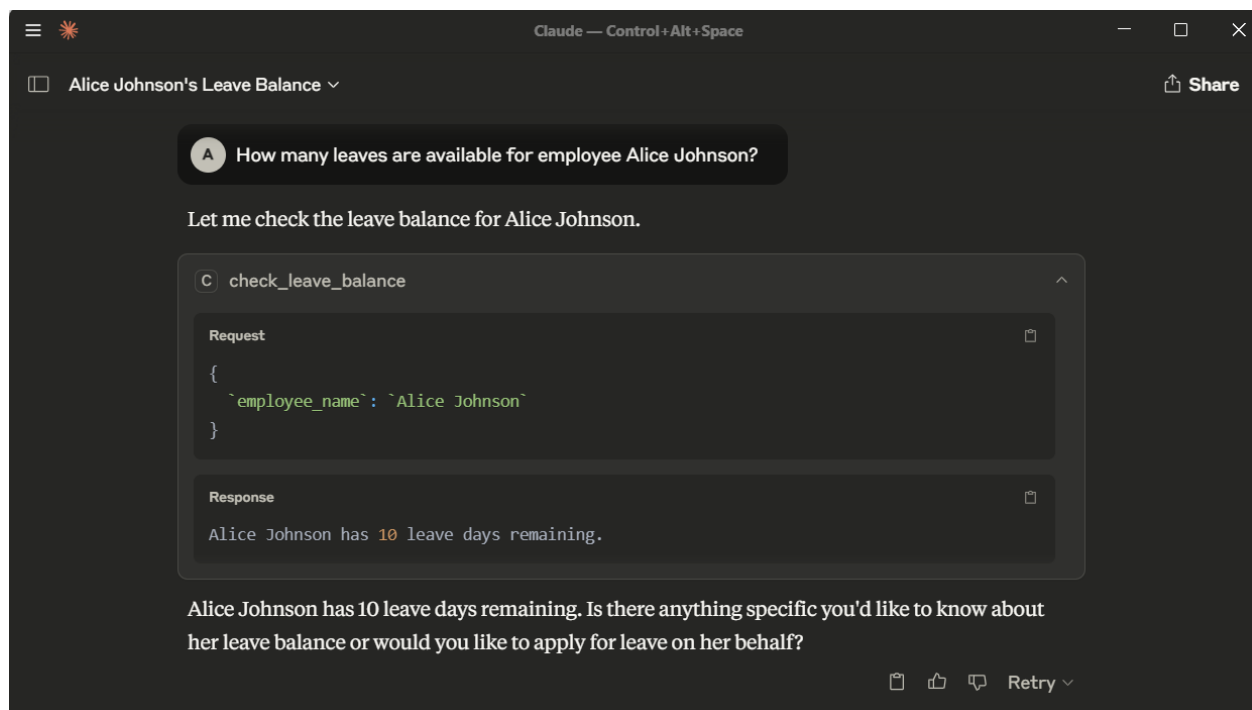
MCP Server is running, and Claude is connected to the MCP server.




Created 3 tools: check leave balance, apply for leave and list the holidays.




Question 1: Check leave balance for alice



Question 2: Apply leave for alice

 Claude — Control+Alt+Space

 Share

A Apply for leave on 2025-12-24 for Alice

I'll submit a leave request for Alice Johnson on December 24, 2025.

A apply_for_leave





Request

```
{
  "leave_date": "2025-12-24",
  "employee_name": "Alice Johnson"
}
```

Response

Leave applied for 2025-12-24. Remaining balance: 9.

The leave request for Alice Johnson on December 24, 2025 has been successfully submitted.
Her remaining leave balance is now 9 days.


 Retry


Claude can make mistakes. Please double-check responses.

Reply to Claude...

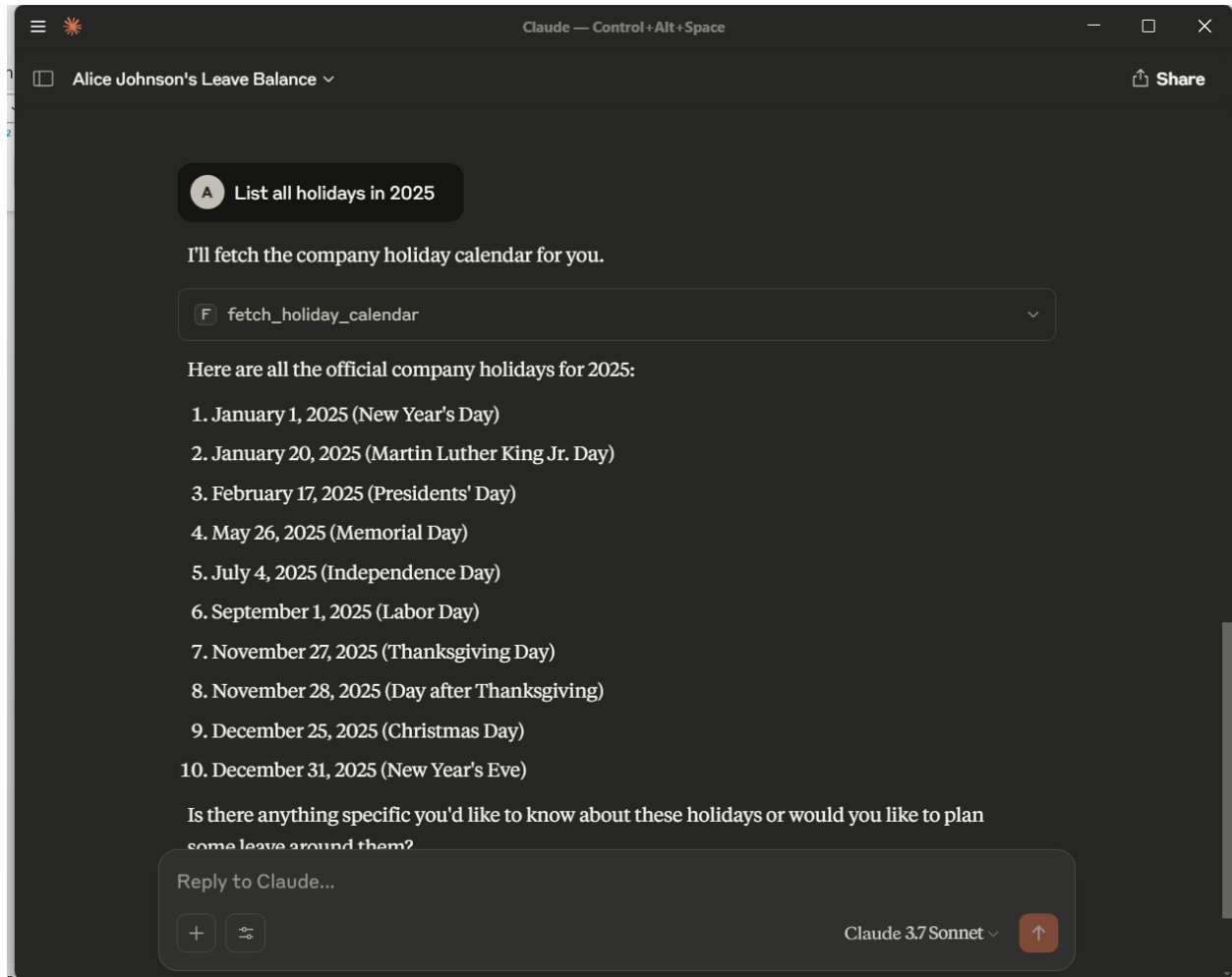
+

🔄






Claude 3.7 Sonnet 





Question 3: List all the holidays in 2025



Question 4: Check leave history and balance for Alice

  Claude — Control+Alt+Space —   

 Alice Johnson's Leave Balance ▼  Share

A

Check leave history and balance for Alice

I'll check the leave balance for Alice Johnson.

C

check_leave_balance

Request

```
{  
  "employee_name": "Alice Johnson"  
}
```





Response

Alice Johnson has 9 leave days remaining.

Alice Johnson currently has 9 leave days remaining.


Based on our previous conversation, I can see that Alice had 10 days available, and we applied for leave on December 24, 2025, which reduced her balance to 9 days.


Would you like to check if she has any other leave days scheduled, or would you like to apply for additional leave on her behalf?

    Retry ▼

Reply to Claude...

+



Claude 3.7 Sonnet ▼ 

Question 5: Apply leave for Bob on official holiday

Alice Johnson's Leave Balance ▾

A Apply leave on 2025-01-01 for Bob

I'll try to submit a leave request for Bob on January 1, 2025.

A apply_for_leave

Request


```
{
  "leave_date": "2025-01-01",
  "employee_name": "Bob"
}
```




Response

2025-01-01 is an official holiday. Leave cannot be applied.

I'm unable to apply leave for Bob on January 1, 2025, because it's an official company holiday. Employees don't need to use personal leave days for official holidays as they're already days off.

Would you like to select a different date for Bob's leave request?




   Retry ▾

Claude can make mistakes. Please double-check responses.

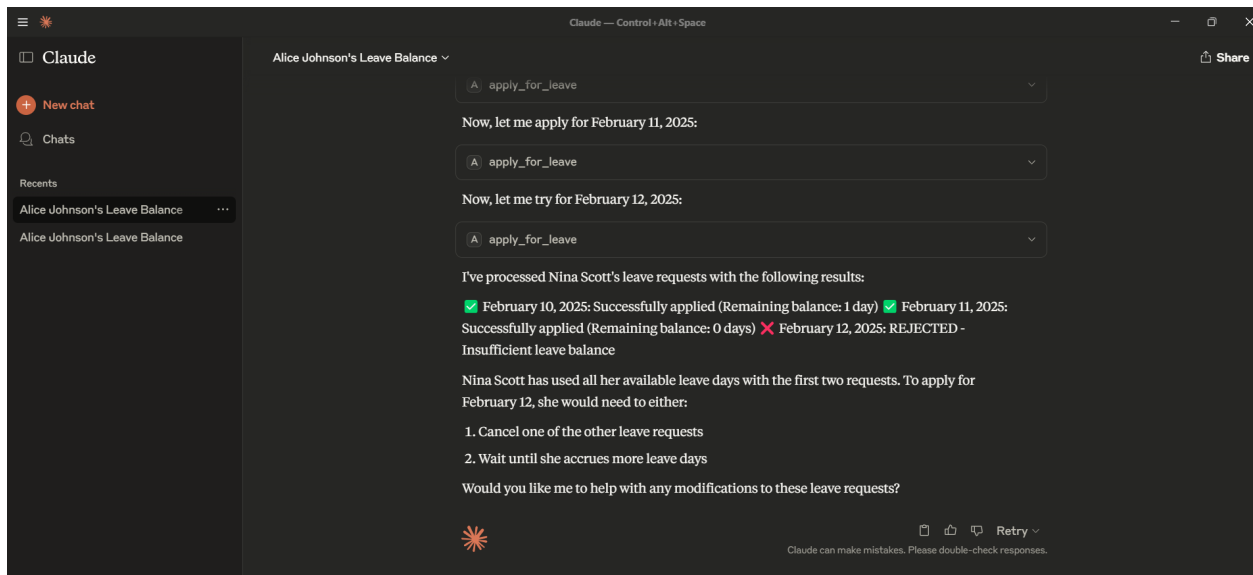
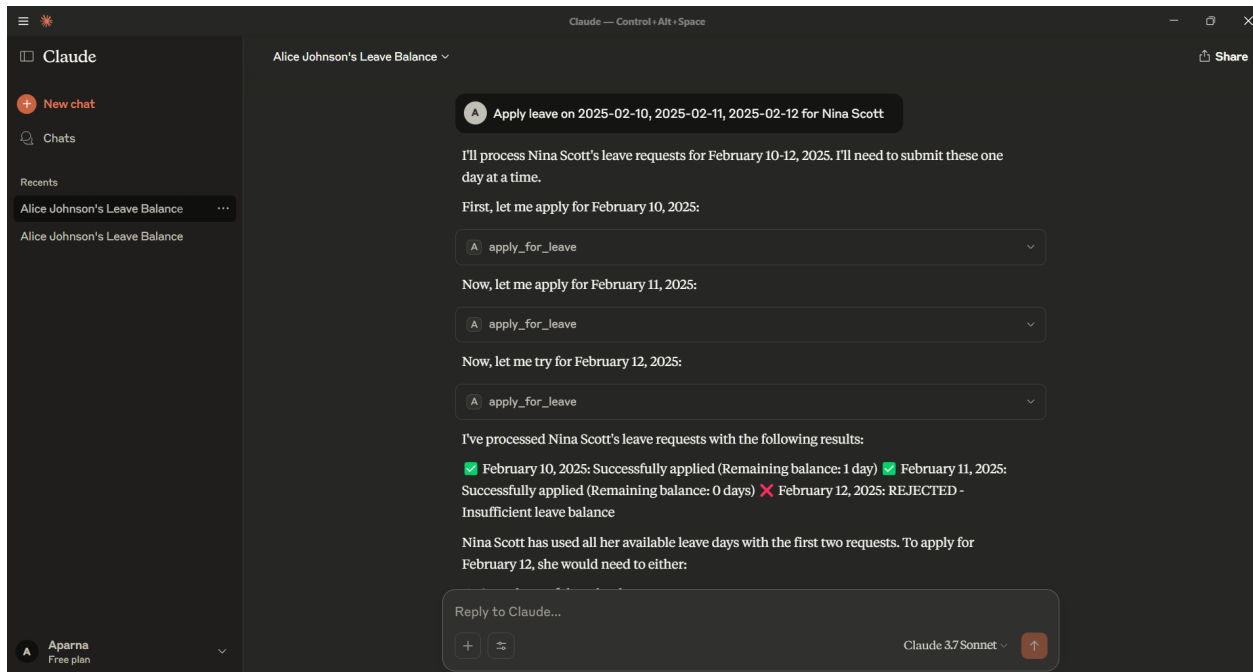
Reply to Claude...

+

🔄

Claude 3.7 Sonnet ▾ 

Question 6: Apply leave for 3 days for Nina Scott, but she has only 2 days left in her balance.



Question 7: Apply leave for Alice on the same day on which she has already applied

The screenshot shows the Claude AI web interface. On the left is a sidebar with the 'Claude' logo, a 'New chat' button, and a 'Chats' section. Under 'Recents', there are two entries for 'Alice Johnson's Leave Balance'. The main chat area has a title 'Alice Johnson's Leave Balance' and a 'Share' button. The conversation starts with a user prompt: 'Apply leave for Alice on December 24 2025'. The AI responds: 'I'll submit a leave request for Alice on December 24, 2025.' Below this, a code block is shown with the title 'A apply_for_leave'. It contains a JSON 'Request' object:

```
{  "leave_date": "2025-12-24",  "employee_name": "Alice Johnson"}
```

 and a 'Response' string: 'Leave already applied for 2025-12-24.' The AI then explains: 'It looks like Alice Johnson already has leave applied for December 24, 2025. This aligns with our earlier conversation where we submitted a leave request for her on this date.' It asks 'Would you like to:' and lists three options: 1. Check her current leave balance, 2. Apply for leave on a different date, and 3. See if there are any other actions you'd like to take regarding her leave? At the bottom, there is a text input field 'Reply to Claude...', a 'Claude 3.7 Sonnet' model selector, and a 'Send' button.

Claude — Control + Alt + Space

Alice Johnson's Leave Balance

Share

Apply leave for Alice on December 24 2025

I'll submit a leave request for Alice on December 24, 2025.

```
A apply_for_leave

Request
{
  "leave_date": "2025-12-24",
  "employee_name": "Alice Johnson"
}

Response
Leave already applied for 2025-12-24.
```

It looks like Alice Johnson already has leave applied for December 24, 2025. This aligns with our earlier conversation where we submitted a leave request for her on this date.

Would you like to:

1. Check her current leave balance
2. Apply for leave on a different date
3. See if there are any other actions you'd like to take regarding her leave?

Reply to Claude...

Claude 3.7 Sonnet