**17. How can you resolve conflict when you push the code to GitHub?**

In one particular instance, I was working on a feature branch, and another team member was working on a related feature. When I tried to merge my changes into the main branch, there was a conflict because both of us had modified the same piece of code.To resolve the conflict, I followed some steps.

- First, I carefully reviewed the conflicted files to understand the changes made by both parties.

- Next, I reached out to the team member who made the conflicting changes. We discussed our respective modifications and agreed on the best approach to merge them while preserving the intended functionality.

- I manually edited the conflicted files, incorporating both sets of changes appropriately. This might involve selecting one version of the code or merging the changes, depending on the context.

- Once I resolved the conflicts locally, I ran tests to ensure that the merged code was functioning as expected. It's crucial to verify that the changes haven't introduced any unexpected issues.

- After resolving the conflict and ensuring everything was in order, I pushed the merged code to the repository. This resolved the conflict and allowed for a smooth integration of the features.