# PART 4.1:

Well for this task I would create three branches (dev, staging, and main) then I would set up a pipeline for each, triggered by commits or pushes to the respective branch.

First, let’s consider I am working on feature X, so I would create a new branch for this feature then when I finish it, it will be merged to dev branch in order to be tested by development team or me.

After that if everything is okay it will be merged to staging branch in order to be tested by testing team.

Eventually, it will be merged to main branch which will reflect the changes to production environment.

I came across multiple tools that helps with migrate updates to oracle and they are: SQLPLUS, SQLcl, Flyway and Liquibase.

I found that Liquibase is more complex than the others tool, but it stood out due to below features:

1. Supports SQL, XML, YAML, or JSON for defining changes.
2. Rollback automation for failed deployments.
3. Tracks all schema changes using a changelog table in the database.
4. Supports PL/SQL execution and complex DDL changes.