

* Questions:

- Difference b/w rebase & merge.
- Stash cmd
- Polymorphic association
- Module include vs exclude
- Using helper method in controller & models
- How does indexing work in db?
- Study about OAuth2 & JWT
- Modules vs classes
- when to use Sql vs ActiveRecord query

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A1 Git Rebase

- Is cmd that allow developer to integrate changes from one branch to another.
- Creates a linear history by moving your feature branch onto tip of main.
- Reapplies commits on top of another base branch.
- Linear structure
- git rebase main.

Merge

- Allows you to merge branches from git.
- It preserves entire history of your repo.
- Joins two or more devlopmt histories.
- Forms chain like structure.
- git merge feature main

A3 Stash:

It locally stores all the most recent changes in a workspace & reverts the state of workspace to prior commit state.

A user can retrieve all files put into stash with git stash pop & apply command.

- Git stash pop: Takes the file in a stash, places them back into development workspace & deletes stash from history.

- Git stash apply: It does not delete stash from history.

- Git stash list: Displays stash history in chronological order.

A3 Include → Is for adding methods only to instance ~~variable~~ of a class.

~~Exclude~~ → Extend → Adding methods to class but not its instances.

Module → Is collection of methods, constants & class variables. Are defined as a class & declare with keyword module.

- The name of module must start with a Capital letter.
- module Module-name
 # Statements
end.
- A user can access the value of a module constant using double colon operator (::).

Ans OAuth 2.0 :

- Stands for open authorization.
- Is a standard designed to allow a website or application for access resources hosted by other web apps on behalf of user.

Or

- Is authorization protocol that gives an API client limited access to user data on web server.
- Allows user to share specific data with application while keeping their username, password & other info private.

ex An application can use OAuth 2.0 to obtain permission from users to store files in their google drive.

- JWT:
- Is a token format.

OAuth is an authorization protocol that can use JWT as a token.

A5 Class

- Can be instantiated i.e. object can be created.
- Used for object creation.
- Methods
 - class
 - Instance
- Inheritance

Module

- Can't be instantiated
- Used for mixing facility & provides a namespace.
- Methods
 - Module
 - Instance
- No inheritance
- Can extend instance by using extend cmd.