

## Linux and Git assignment:

Write a shell script to update the specified branches or all the branches of a git repository wrt to master branch. Example script usage is as defined below.

```
$ sh ./update-branches.sh --branches br1,br2,br3,br4
$ sh ./update-branches.sh --file branches.txt
```

### Shell Script:

```
#!/bin/bash

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# Define master branch (hardcoded) (shell scripting)
# checkout master branch, pull latest changes, prune-branches (git)
# read list of branch names ( from console csv input or file input), if
neither passed, get all remote branches (shell scripting) (git)
# verify the remote has all the branches exist from the branches list (git)
# show user the valid branches going to be updated (shell scripting)
## if no valid branches, exit the script (shell scripting)
# ask user input to confirm the update (y/n) (shell scripting)
## if yes, update each branch with the master branch (in conflict state
strategy-option is accept our changes) (git)
### wait 5sec before updating each branch (shell scripting)
### if any branch update fails, exit the script (shell scripting)
## if no, exit the script (shell scripting)
```

## Additional Instructions:

- Submit assignment as shell script file
- Assume that the txt file provided will have one branch name per line
- Script should trim extra whitespaces from start and end of branch names
- Make sure to update the Author / Creation and Last Update information
- When no branches input is provided, get list of all remote branches except the master branch
- When displaying valid branches print one on each line

Eg:

- valid\_br1
- valid-br2
- valid-b3

- Every exit step should inform the user a reason for the exit
- Always exclude master branch from self update
- User input should be considered case-insensitive