**How to upload code in Eclipse to GitHub remote repository i.e., Code from IDE to GitHub:**

**IDE New Folder to New Repository:**

**Steps:**

1. **Create New remote Repository**
2. **Copy the URL of New remote Repository**
3. **In IDE Eclipse->Windows->Show View->Other->Git Folder->Git Repositories**

Output: “Git Repositories” window will be opened with three links as shown below:

1. Add an existing local Git Repository
2. Clone a Git Repository
3. Create a new local Git Repository
4. **Click “Clone a Git Repository” link-> “Clone Git Repository”-> “Source Git Repository” window opens.**
5. **In the “Location” ->’URL ‘ textbox-> give the copied url of new remote repository**
6. **Click Next button-> warning message “Source Git Repository is empty.”**
7. **Ignore the above warning message and click Next button.**
8. **In the “Local Destination” ->Click Browse and select the Local Destination and will be displayed in the ’Directory ‘ textbox**
9. **Click ‘Finish’ button.**
10. **The Git Repository tab (located next to console tab) will display the new repository folder with .git file in it.**
11. **After git initialization, to move the project folder from IDE Eclipse to remote repository, the steps to be followed in Eclipse are:**
12. Project folder -> Team-> Share Project-> Configure Git Repository popup window will be opened
13. Project Folder location in the local machine with \.git should be given in the Repository textbox. For example🡪 C:\Users\LPrab\git\JavaLesson\.git
14. Click Finish button. Note: Question marks will be displayed in all the files of the folder in Eclipse which means all the files are included in the working folder(Git copy folder)
15. Project folder -> Team-> Add to Index Note: Plus marks will be displayed in all the files of the folder in Eclipse which means all the files are added to the Staging area
16. Project folder -> Team-> Commit Note: We need to give commit message which committing the code from Eclipse. Hence follow the below steps:
    1. Eclipse->Window->Show View->Other->Git Folder->Git Staging->Open button-> New Git Staging window will be opened next to the console window in Eclipse.
    2. Commit Message window-> Give the commit message-> Commit and Push button-> Login Authentication popup window ->Username and Password should be given in their respective textboxes->Push Branch Master window will be displayed
    3. Push Branch Master window->In ’Remote’ textbox, the copied url of remote repository location should be given->Push Head button.

Note: For the first time it can’t connect to any repository. It will show a ‘Problem Occurred’ popup window. To resolve this issue, follow the below steps:

1. login to your GitHub account
2. go to <https://github.com/settings/tokens>
3. click on "Generate new token"
4. make necessary selections (but must select repo)
5. click on "save"
6. System will have a token
7. use this token instead of a password in the eclipse or other tools you are using
8. Now push your code from Github and it will work.

After giving the username and password (newly generated token should be given as password) in the eclipse, the project from Eclipse will be pushed to the remote repository

Entire project is pushed to remote repository. To see the project in remote repository, just refresh GitHub page.