***EXP 12***

**Third workflow**

code:

A computer screen shot of a program

Description automatically generated

A computer screen shot of a program

Description automatically generated

A screenshot of a computer program

Description automatically generated

Github action :

A screenshot of a computer

Description automatically generated

Git commands for push to “feature/my-feature” branch which triggers the workflow :

A black background with a black square

Description automatically generated with medium confidence

Running of workflow :

A screenshot of a computer

Description automatically generated

**Auto Merge Pull Request Workflow:**

* + **Triggered on pushes to branches starting with "feature" or "fix".**
  + **Creates a pull request to the main branch with all repository members as reviewers.**
  + **Automatically merges the pull request using squash merge when all reviewers approve.**

The workflow is triggered when a push event occurs on a branch that matches the feature/\* or fix/\* patterns.

The workflow then checks out the code, creates a pull request, adds automatic reviewers, waits for approvals, and then merges the pull request.

Here is a detailed explanation of each step in the workflow:Checkout Code: This step uses the actions/checkout@v2 action to check out the code from the repository.

Create Pull Request: This step uses the curl command to create a pull request.

The title and body of the pull request are specified as parameters, and the head and base branches are determined from the current branch.

Add Automatic Pull Request Reviewers: This step uses the curl command to add automatic reviewers to the pull request.

The reviewers are obtained by calling the GitHub API to list all collaborators on the repository.

Wait for Approvals: This step uses a while loop to wait for at least one required approval.

The number of required approvals is determined by the number of reviewers who have been added to the pull request.

Merge Pull Request: This step uses the actions/github-script@v5 action to merge the pull request.

The merge method is set to squash.

**These workflows automate various tasks in your repository, such as building and testing your Android app, deploying APKs, and automating the pull request and approval process.**