

# Git & IntelliJ Assignment

Explain the following questions in two simple sentences

1. What is the use of the git add command?

**Ans:** The git add command is used to stage changes in the working directory for the next commit. It tells git to track files and include them in the next commit snapshot.

2. Write the command to create a branch "feature-group".

**Ans:** "**git-branch feature-group**", this command creates a new branch named **feature-group** in your local repository.

3. What is a pull request? Write the steps involved in creating a pull request.

**Ans:** A pull request is a request to merge changes from one branch (usually a feature branch) into another (main) within the repository.

Steps involved in creating a pull request-

- a. Fork the repository (if you don't own the project)
- b. Clone the repository to your local machine
- c. Create a new branch, (git checkout -b your-branch-name)
- d. Make your changes
- e. Commit your changes, (git commit -m "Your commit message")
- f. Push your branch to the remote repository
- g. Initiate the pull request, click "Compare & pull request"
- h. Add a title and description
- i. Create the pull request

4. How do you add collaborators?

**Ans:** To add collaborators to a GitHub repository, navigate to the repository's settings, then select "Collaborators & teams" under "Access". Search for the user you want to add by their username and select their name.

Finally, click "Add [user] to REPOSITORY"

5. What is the command used to commit our changes in github repo?

**Ans:** `git commit -m "Your commit message"`, this command saves your staged changes with a message describing what you did.

6. Create a github account and repository to save all your assignment tasks. Example repository name: rg-assignments

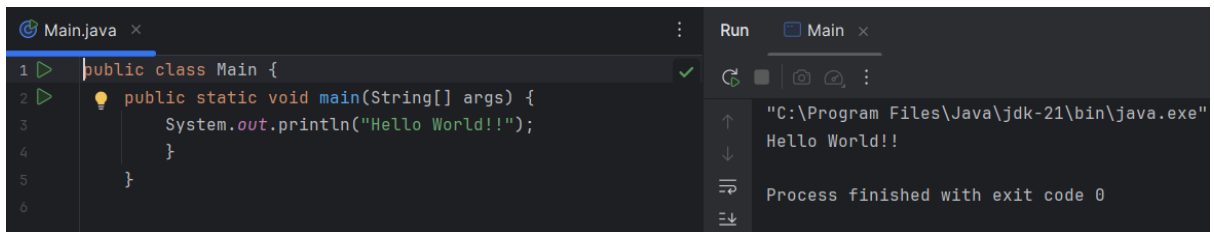
**Ans:** <https://github.com/Anandswati712/rg-assignments>

7. Create a branch called feature-java(you can use it later to push all your java related tasks to this branch)

**Ans:** “`git checkout -b feature-java`”

8. Install IntelliJ IDE. Create a simple java project displaying “Hello World!!”and share the screenshot.

**Ans:**



The screenshot shows the IntelliJ IDE interface. On the left, the 'Main.java' file is open, displaying the following code:

```
1 public class Main {  
2     public static void main(String[] args) {  
3         System.out.println("Hello World!!");  
4     }  
5 }  
6
```

On the right, the 'Run' console is visible, showing the output of the program:

```
"C:\Program Files\Java\jdk-21\bin\java.exe"  
Hello World!!  
Process finished with exit code 0
```

9. In IntelliJ IDE, explore the shortcut keys for the following

- a. To run the project: Shift + F10
- b. To select a line: Home then Shift + End
- c. To comment/uncomment a line: Ctrl + /
- d. To delete a line: Ctrl + Y