Git and Github

Part- 2

1. **How to check if git is available on your system?**
   Answer: We can check by writing '**git'** or **git --version** command in a terminal (Linux, macOS) or command prompt(Windows).

2. **How to initialize a new Git repository?**
   Answer: We can initialize a new git repository by writing the command- **git init**

3. **How to tell git about your name and email?**
   Answer: To set the username and email write the following command-
   For name - **git config --global user.name "Rajan9721"**
   For email- **git config --global user.email "rn638600@gmail.com"**

4. **How to add a file to the staging area?**
   Answer: For adding a file in staging area write the following command-
   For one file- **git add <file-Name>**
   For all Files- **git add .**

5. **How to remove a file from the staging area?**
   Answer: By writing command- **git rm --cached <file-name>**

6. **How to make a commit?**
   Answer: For commit write the command => **git commit -m "message"**

7. **How to send your changes to a remote repository?**
   Answer: We can send changes to a remote repository by writing the command-
   - **git push -u <remote-name> <branch-name>**
   - Ex. **git push -u origin main**
   - Or also we can push file only by writing the command > **git push**
     (git push work if we are clone the remote repository)

8. **What is the difference between clone and pull?**
   Answer:
   Clone: (git clone <URL>) The git clone is a command-line utility which is used to make a local copy of a remote repository. It accesses the repository through a remote URL.

   Pull: git pull is a combination of fetch and merge . It is used to pull all changes from a remote repository into the branch you are working on.