# Git-HOL-Solutions1

## Step 1: Setup your machine with Git Configuration

1. Check Git installation:  
 git --version  
   
 If installed, it will display version info.  
   
 2. Configure your username and email:  
 git config --global user.name "Your Name"  
 git config --global user.email "your.email@example.com"  
   
 3. Verify configuration:  
 git config --list

## Step 2: Integrate Notepad++ to Git and make it the default editor

1. Check if Notepad++ works in Git Bash:  
 notepad++  
   
 If not recognized, add Notepad++ to PATH:  
 - Control Panel -> System -> Advanced System Settings  
 - Environment Variables -> Edit PATH -> Add Notepad++ install directory.  
   
 2. Create alias:  
 alias np='notepad++'  
   
 3. Configure Git to use Notepad++ as default editor:  
 git config --global core.editor "notepad++ -multiInst -notabbar -nosession -noPlugin"  
   
 4. Verify editor:  
 git config --global -e

## Step 3: Add a file to source code repository

1. Create a new Git repository:  
 mkdir GitDemo  
 cd GitDemo  
 git init  
   
 2. Create a file and add content:  
 echo "Welcome to Git" > welcome.txt  
   
 3. Verify file creation:  
 ls  
 cat welcome.txt  
   
 4. Check Git status:  
 git status  
   
 5. Stage the file:  
 git add welcome.txt  
   
 6. Commit changes:  
 git commit -m "Added welcome.txt"  
   
 7. Push to remote repository:  
 git remote add origin <remote\_repo\_URL>  
 git pull origin master  
 git push origin master