

# Git Commands Assignment

**Submitted by: SIDDU**

**USN No: 3KC21CS053**

**Branch: Computer**

**Science and Engineering**

**College: K.C.T. Engineering College, Gulbarga**

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## **Question:**

### **1. Configure Git with Name and Email**

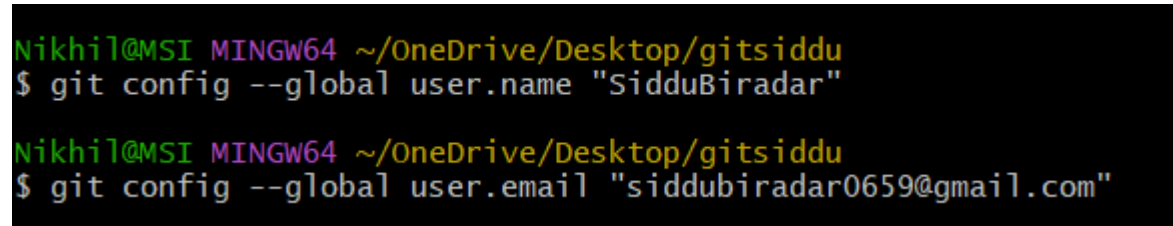
#### **Commands:**

To set your username and email, use the following commands:

```
# Configure your Git username
git config --global user.name "SidduBiradar"

# Configure your Git email
git config --global user.email "siddubiradar0659@gmail.com"
```

#### **Screenshot:**



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu
$ git config --global user.name "SidduBiradar"

Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu
$ git config --global user.email "siddubiradar0659@gmail.com"
```

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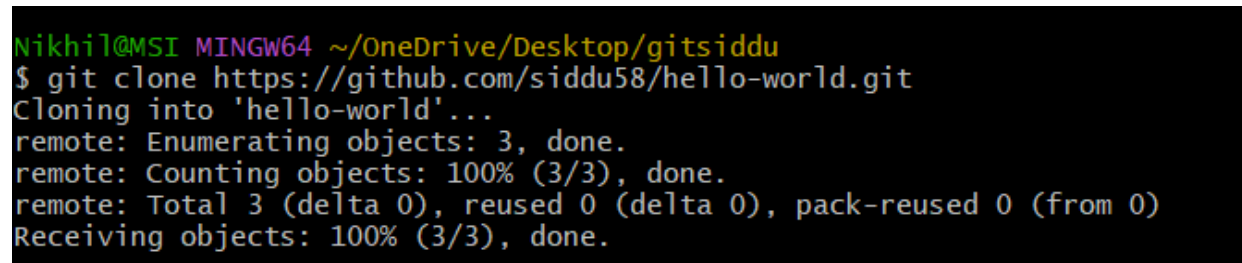
### **2. Clone the Project Repository**

#### **Command:**

To clone the repository from GitHub, use the following command:

```
git clone https://github.com/siddu58/hello-world.git
```

#### **Screenshot:**



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu
$ git clone https://github.com/siddu58/hello-world.git
Cloning into 'hello-world'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

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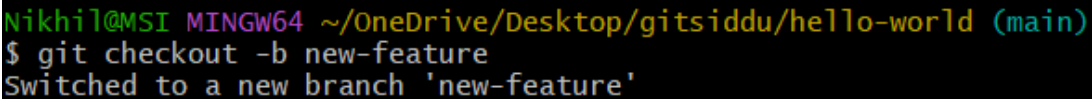
### 3. Create a New Feature Branch

#### Command:

To create and switch to a branch called `new-feature`, use:

```
git checkout -b new-feature
```

#### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (main)
$ git checkout -b new-feature
Switched to a new branch 'new-feature'
```

### 4. Add a New File Called


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#### Command:

To stage the new file for commit, use:

```
# Create a new file
feature.py
# Stage the new file
git add feature.py
```

#### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git add feature.py
```

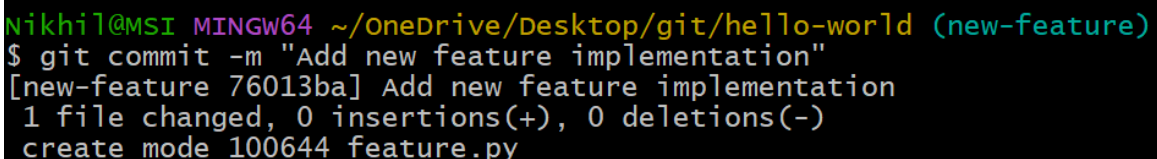
### 5. Commit Your Changes

#### Command:

To commit your staged changes with a message, use:

```
git commit -m "Add new feature implementation"
```

#### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/git/hello-world (new-feature)
$ git commit -m "Add new feature implementation"
[new-feature 76013ba] Add new feature implementation
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 feature.py
```

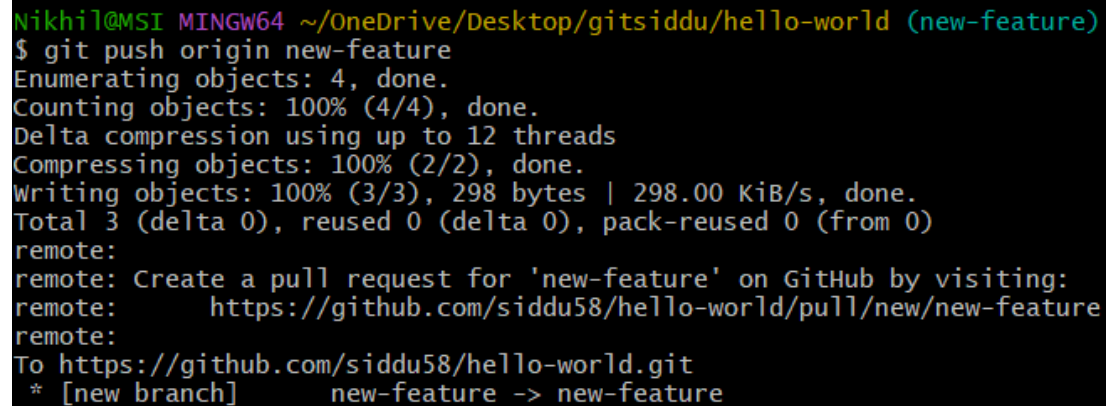
## 6. Push Your Changes to the Remote Repository

### Command:

To push your changes in the `new-feature` branch to the remote repository, use:

```
git push origin new-feature
```

### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git push origin new-feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 298 bytes | 298.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'new-feature' on GitHub by visiting:
remote:   https://github.com/siddu58/hello-world/pull/new/new-feature
remote:
To https://github.com/siddu58/hello-world.git
 * [new branch]      new-feature -> new-feature
```

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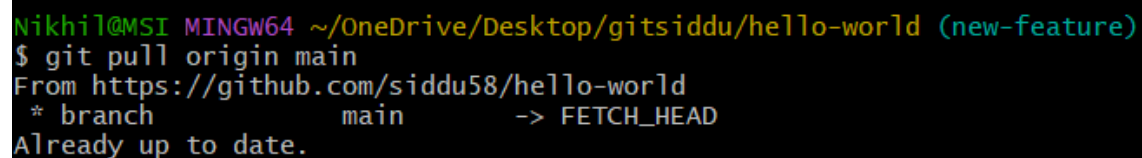
## 7. Pull the Latest Changes from the Main Branch

### Command:

To pull the latest changes from the main branch of the remote repository, use:

```
git pull origin main
```

### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git pull origin main
From https://github.com/siddu58/hello-world
 * branch      main      -> FETCH_HEAD
Already up to date.
```

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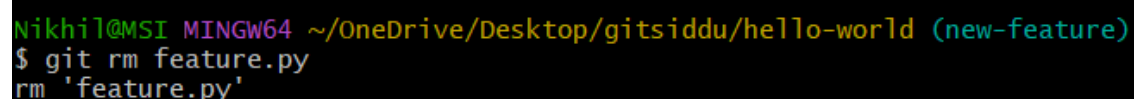
## 8. Remove the `feature.py` File

### Command:

To remove the `feature.py` file from your branch, use:

```
git rm feature.py
```

### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git rm feature.py
rm 'feature.py'
```

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## 9. Commit the Removal and Push Changes

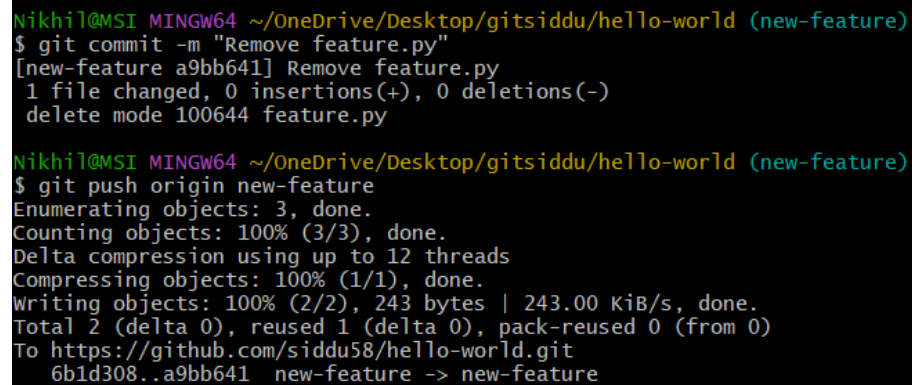
### Commands:

To commit the removal and push the changes to the remote repository, use:

```
git commit -m "Remove feature.py"
```

```
git push origin new-feature
```

### Screenshot:



```
Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git commit -m "Remove feature.py"
[new-feature a9bb641] Remove feature.py
1 file changed, 0 insertions(+), 0 deletions(-)
delete mode 100644 feature.py

Nikhil@MSI MINGW64 ~/OneDrive/Desktop/gitsiddu/hello-world (new-feature)
$ git push origin new-feature
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 12 threads
Compressing objects: 100% (1/1), done.
Writing objects: 100% (2/2), 243 bytes | 243.00 KiB/s, done.
Total 2 (delta 0), reused 1 (delta 0), pack-reused 0 (from 0)
To https://github.com/siddu58/hello-world.git
6b1d308..a9bb641 new-feature -> new-feature
```