GitHub: Initial setup and first project.

Installation and setup

Step 1: Create GitHub account

Step 2: Download and install git for windows from https://git-scm.com/download/win

Step 3: Verify git installation using the command: `git –version`

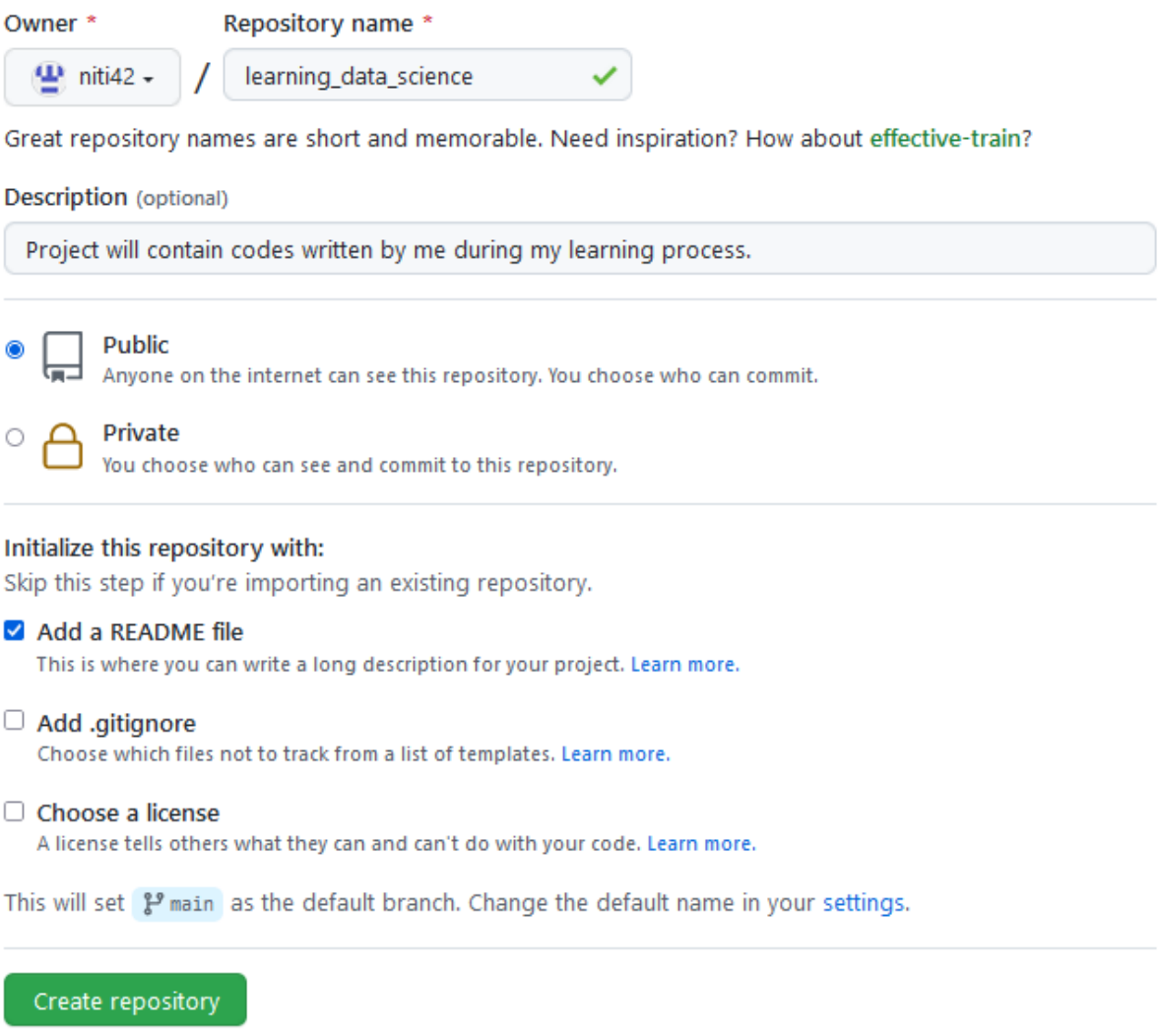
Step 4: Set a default user name and email to use while saving the work:

```
git config --global user.name "nik12"
git config --global user.email nithishk12@gmail.com
```

Working with git hub projects by creating a local repository on PC.

Step 1: Login to git hub

Step 2: Create new repository by clicking “New repository” button on GitHub webpage and provide initial details like repository name, public/private… and click on create repository.



Step 3: Get a copy of this repository on the computer. Clone this repository to the local machine by copying the https link and using the command:

```
e:\Data Science>git clone
https://github.com/niti42/learning_data_science.git
```

```
e:\>cd "Data Science"

e:\Data Science>git clone https://github.com/niti42/learning_data_science.git
Cloning into 'learning_data_science'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

Step 4: Create the folder in the directory desired.

```
e:\Data Science>cd learning_data_science
```

These are steps while commiting to Git.

St 1: Check the files that have been modified using: `git status`

St 2: Add the updated file or new file using add command

```
e:\Data Science\learning_data_science>git add
Set_1_Descriptive_statistics_probability.py
```

St 3: Add a message describing changes we have done using `git commit -m`

Note: Use double quotes for the commit message.

```
git commit -m "Solution to first problem from Assignment 2 set 1"
```

St 4 (*Should this be done everytime?*): Upload this work on github. We must push our files to remote (duplicate instance of our repo that lives on a remote server elsewhere). We first ger the remote's name

```
e:\Data Science\learning_data_science>git remote
origin
```

St 5: type the following commands

```
git branch -M main
```

```
git push -u origin main
```

```
e:\Data Science\learning_data_science>git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   Set_1_Descriptive_statistics_probability.py


e:\Data Science\learning_data_science>git add Set_1_Descriptive_statistics_probability.py

e:\Data Science\learning_data_science>git commit -m "Removed all unnecessary lines of code"
[main 0b23115] Removed all unnecessary lines of code
 1 file changed, 1 insertion(+), 83 deletions(-)

e:\Data Science\learning_data_science>git branch -M main

e:\Data Science\learning_data_science>git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 379 bytes | 379.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/niti42/learning_data_science.git
   2c081df..0b23115  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

e:\Data Science\learning_data_science>
```

Now, on the GitHub page, we find this: