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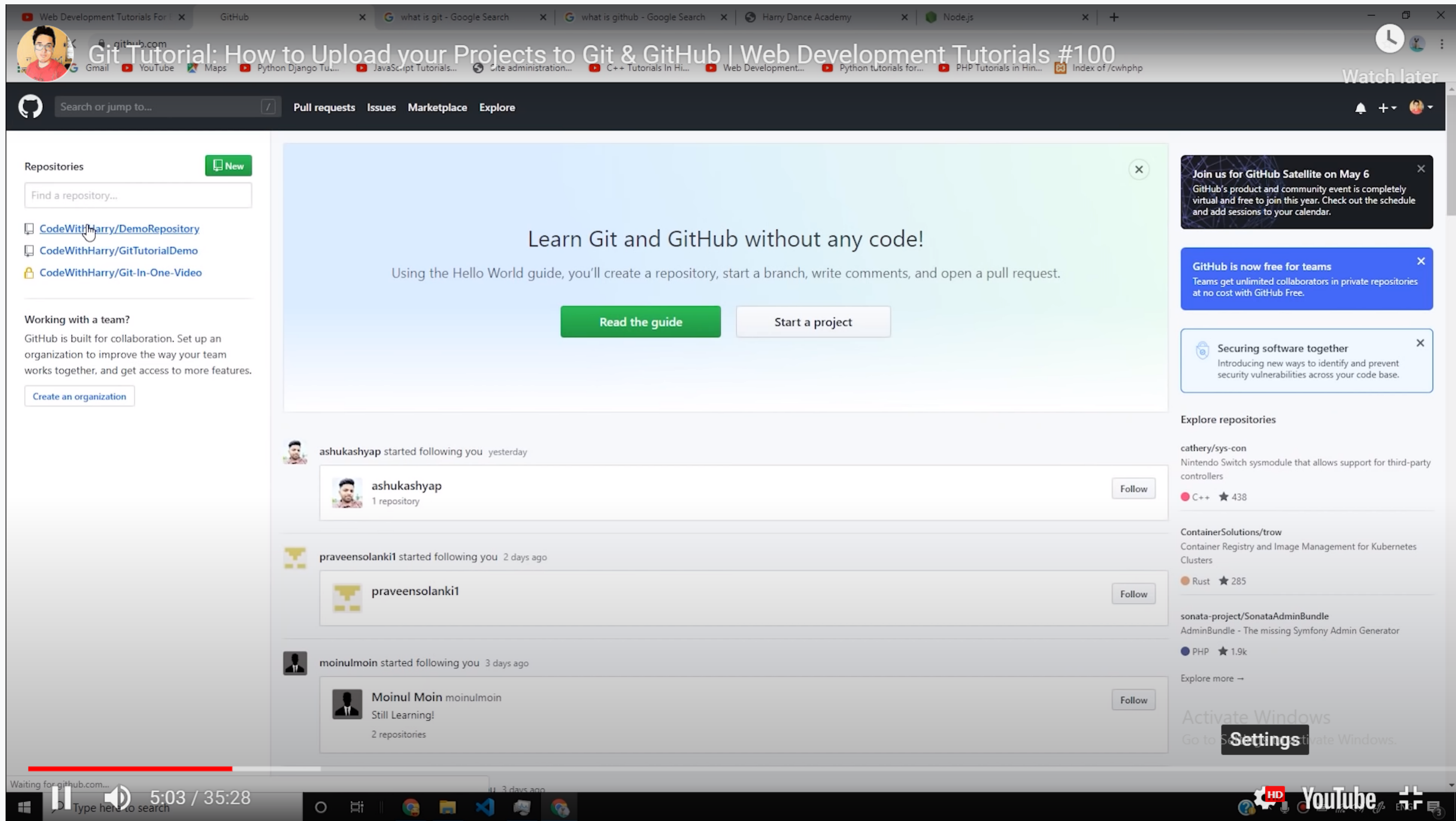
Git Tutorial- How to Upload your Projects to Git and GitHub?

In this tutorial, we will learn about how to upload any project or software on Github platform. It is beneficial for all the web developers or software engineers to maintain a good profile on GitHub by constantly uploading their projects on this platform. It showcases their ability to understand the concepts.

Let us first understand what Git is. Git is a distributed version-control system for tracking changes in source code during software development. It is designed for coordinating work among programmers, but it can be used to track changes in any set of files. Its goals include speed, data integrity, and support for distributed, non-linear workflows.

In simple words, Git helps us to maintain the different version of any software or website after a normal change. For example, in our dance website that we created, we have sections of four sponsors. In case, we have a request to add a new sponsor then we can release a version 1.1 pf it by simply adding a new card.

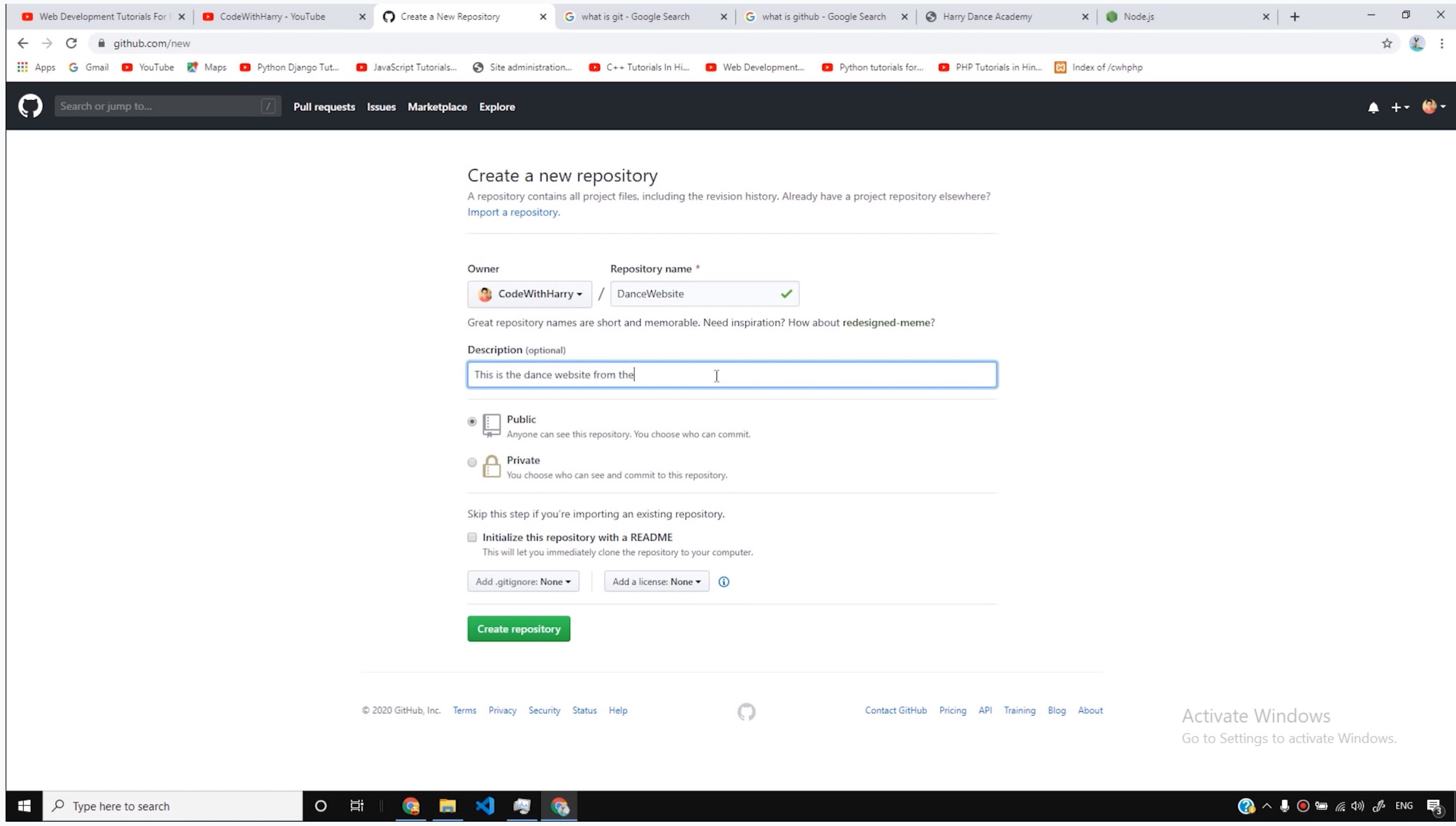
The home page of Github looks as follows-



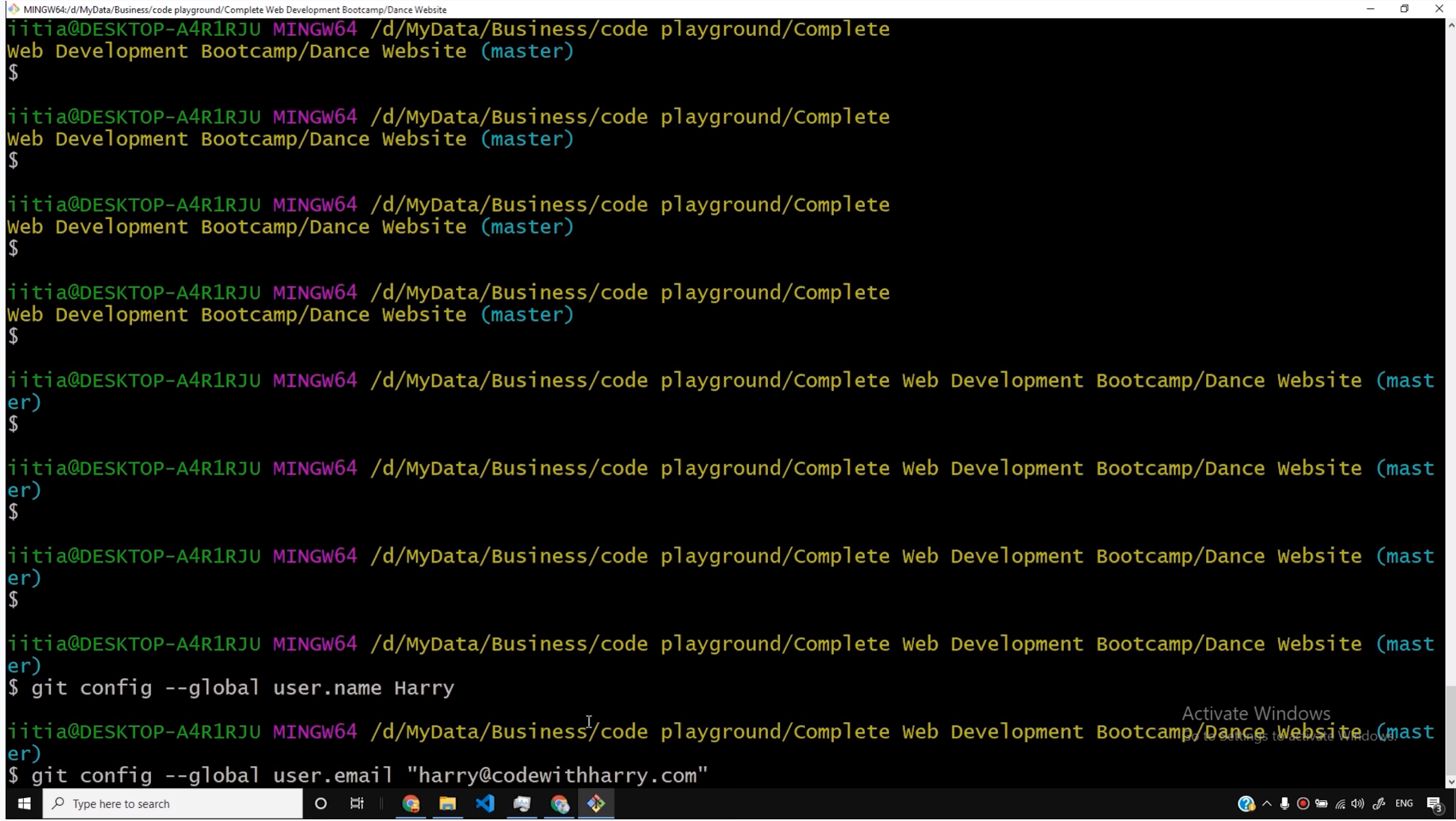
If we are making the profile for the first time, then we need to go to **New Repository** and then sign up from there.

Github is simply a hosting company that uses Git and offers its services. Git can work without Github but vice-versa is not possible. They have their premium services too.

After signing up, we get a page like this as shown below-



Now we need to install a software called **Git SCM**. After installing, we need to open the terminal and write **Git Bash**. Now we need to set the name and email as follows-



We will make a new file as **.gitignore**. This folder will contain all the large files like nod modules and ignore them while uploading on Git repository. We will also write the command **initial commit** while uploading the files for the first time on Git. To check the current status, we will write **\$ git status**.

We then need to write the following sets of commands to link the contents of the project to github link. To give the access to our computer to use the files to github, we have to add a SSH key to authenticate our system. After successfully generating an SSH key, we get the result as follows and all the files will be added.

So I hope you must have understood how to upload your project or software files on Github. Now you can try to add your multiple projects on this platform and maintain a good profile which can be really beneficial.