**Build Trigger --> using Webhook**

Whenever we do modifications in our project or whenever we do changes in the code and that changes when we push to our repository (Github) build has to Trigger automatically.

* Download ngrrok (https://ngrok.com/download) (according to ur OS)
* Open cmd prompt from wherever your ngrok.exe file is available and then run command

--> ngrok http jenkinsportnumber <--

ex. ngrok http 8001

* Then copy the link

ex. https://ab8259eca344.ngrok.io

* Then go to github..
* go to your project setting (Not the profile setting)
* click on **Webhook** -> Add Webhook -> paste the link under payload url which is copied from ngrok command prompt then append /github-webhook/ to that link

ex. https://ad28e1399d19.ngrok.io/github-webhook/

* Then click on Add webhook.
* Go to **Jenkins**
* Go to your project configuration -> Source Code Management -> git -> add your project github project url Add your github credentials
* Under Build Triggers tickmark -GitHub hook trigger for GITScm polling-
* Apply and Save
* Then do modifications in your project or in your code from gitbash command prompt or manually in files
* Then observe the jenkins you will see the build triggered.

**Build Trigger --> using SSH public and private key**

Whenever we do modifications in our project or whenever we do changes in the code and that changes when we push to our repository (Github) build has to Trigger automatically.

* Open command prompt run **ssh-keygen** command -- This will generate public and private key under the folder from where you have run the command prompt.(folder named **.ssh**)
  + Go to that folder there will be two files named id\_rsa and id\_rsa.pub
  + Open id\_rsa.pub and copy the content
* Go to github profile **setting** (Not the repository setting) 🡪 **SSH and GPG keys** 🡪 in ssh keys click on **New ssh key** 
  + Under **Keys** paste the copied content from id\_rsa.pub file
  + Under **Title** Give any title name
  + Then Click on **Add ssh key**
  + Copy the github project ssh url that u want to add in jenkins
* Go to Jenkins 🡪 Configure your project 🡪 source code management 🡪 select git 🡪 paste the github project ssh url
  + Under credentials 🡪 add 🡪 Jenkins 🡪 Under **Kind** select **‘**SSH username with private key’
  + Under private key tick mark ‘Enter directly’ 🡪 Click on add and paste the private key from .ssh folder from id\_rsa file then click on add button
  + Under credential dropdown select computer username
  + Under Build Trigger tickmark ‘GitHub hook trigger for GITScm polling’
  + Then apply and save.
* Then do modifications in your project or in your code from gitbash command prompt or manually in files
* Then observe the jenkins you will see the build triggered.