Node js Program Execution using git, github and Jenkins

Open Normal Command Prompt

```
C:\Users\P c>e:
E:\>mkdir nodeexample
E:\>cd nodeexample
E:\nodeexample
```

Copy the below program in app.js file

```
const express = require('express');
const app = express();
app.get('/',(req,res) => {
  res.send("Hello World, I am from Nodejs");
});
app.listen(3020,() => {
  console.log("Server is running on port 3020")
});
```

Execute the following command in cmd

npm init –y

```
E:\nodeexample>npm init -y
Wrote to E:\nodeexample\package.json:

{
    "name": "nodeexample",
    "version": "1.0.0",
    "main": "app.js",
    "scripts": {
        "test": "echo \"Error: no test specified\" && exit 1"
    },
    "keywords": [],
    "author": "",
    "license": "ISC",
    "description": ""
}
```

Execute the following cmd

npm i express

```
E:\nodeexample>npm i express

added 65 packages, and audited 66 packages in 7s

13 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
```

Open git bash

```
P C@DESKTOP-TEKQI08 MINGW64 ~ (master)
$ cd e:

P C@DESKTOP-TEKQI08 MINGW64 /e
$ cd nodeexample

P C@DESKTOP-TEKQI08 MINGW64 /e/nodeexample
$ ls
app.js node_modules/ package-lock.json package.json

P C@DESKTOP-TEKQI08 MINGW64 /e/nodeexample
$ echo "node_modules/" >> .gitignore
```

```
P c@DESKTOP-TEKQI08 MINGW64 /e/nodeexample (master) $ git add .
```

```
P c@DESKTOP-TEKQI08 MINGW64 /e/nodeexample (master)
$ git commit -m "This is sample node js program"
[master (root-commit) 33380b8] This is sample node js program 4 files changed, 797 insertions(+) create mode 100644 .gitignore create mode 100644 app.js create mode 100644 package-lock.json create mode 100644 package.json
```

Open GitHub and log in. Next, create a new repository and name it nodejsexample.

```
P c@DESKTOP-TEKQI08 MINGW64 /e/nodeexample (master)
$ git remote add origin https://github.com/deepak574/nodejsexample.git

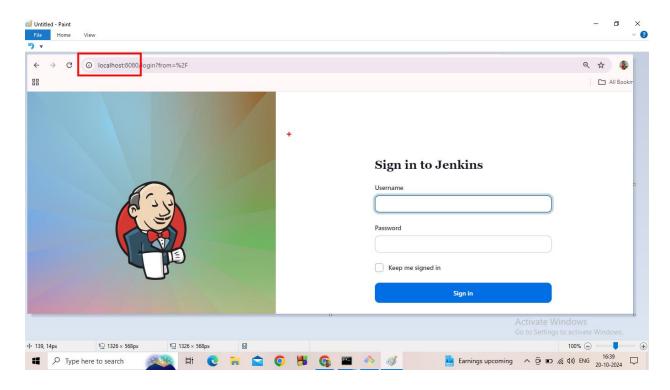
P c@DESKTOP-TEKQI08 MINGW64 /e/nodeexample (master)
$ git branch -M main

P c@DESKTOP-TEKQI08 MINGW64 /e/nodeexample (main)
$ git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 7.85 KiB | 1.31 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/deepak574/nodejsexample.git

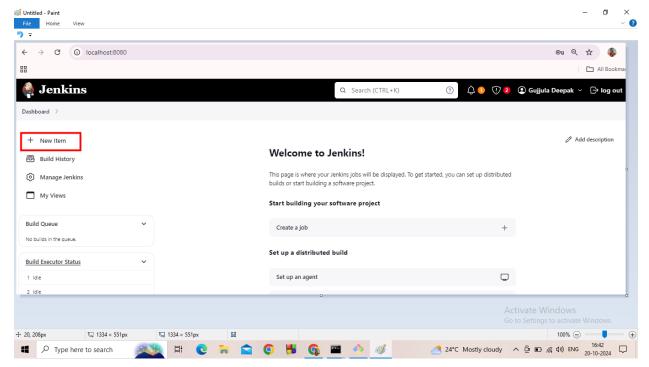
* [new branch] main -> main
branch 'main' set up to track 'origin/main'.
```

Open jenkins

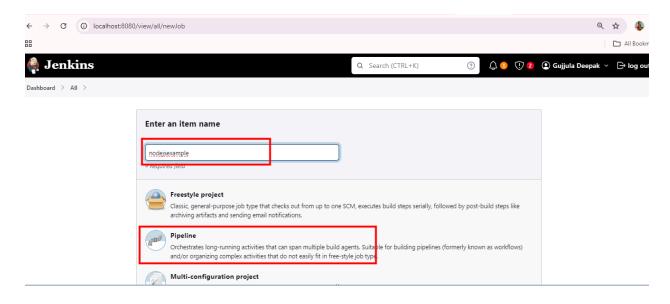
Open any browser and type localhost:8080



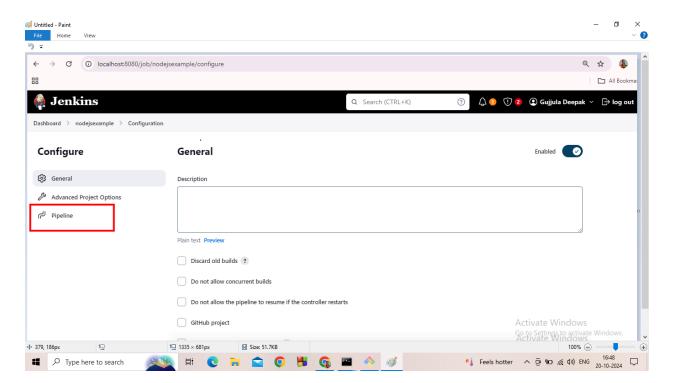
Select New Item



Give Item name as *nodejsexample* Select *Pipeline* and click *ok*



Select Pipeline

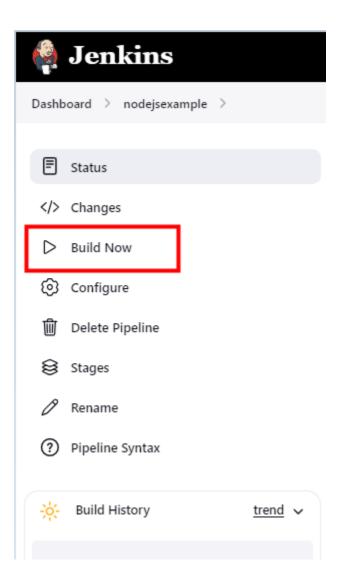


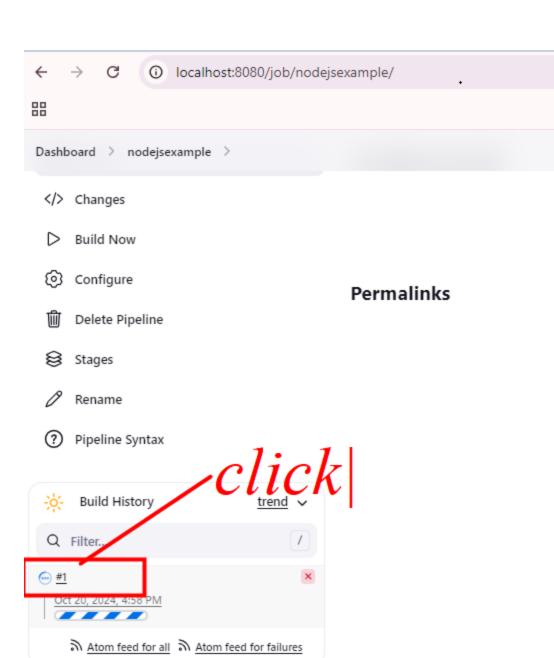
Copy the below code in the pipeline area

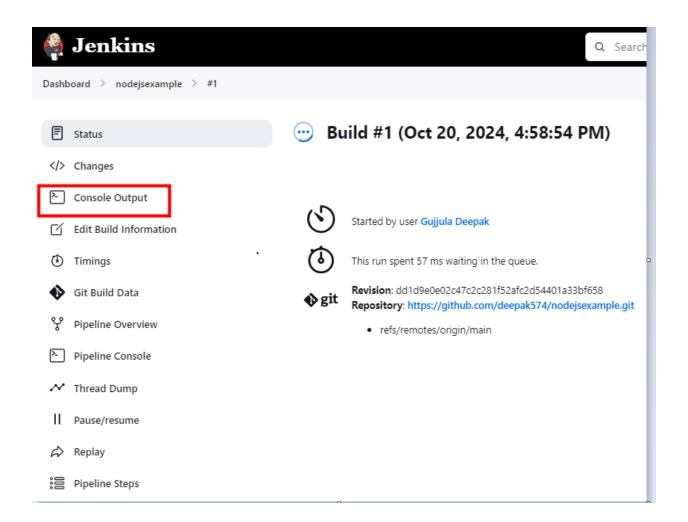


Click apply and save

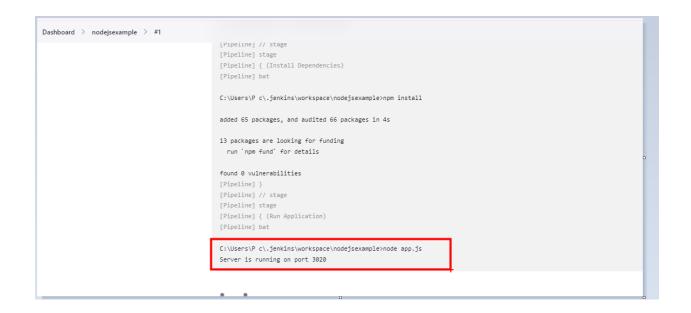
Click on Build Now







Click Console Output and scroll down



Open browser and type *localhost:3020*



Hello World, I am from Nodejs

.