

## Assignment 2(a)

Create vision control account on github use GIT commands:

① Open Vscode

Open file folder

② Open terminal (Vscode terminal)

> mkdir part-a

> cd part-a

③ push file

> git --version

> git init

> git add . *to add all files*

④ Go to github account:

① Click on new

② Repository name [WAD2ca]

③ Description [First file]

④ Create Repository

⑤ > git init

> git add . *to add all files*

> git status

> git remote add origin "link of your github repository"

HTTPS link

> git commit -m "any message"

⑥ If prompted to authenticate user, execute this command:

> git config --global user.email "your github email id"

> git config --global user.name "your github user name"



- ⑦ > git push -u origin master
- ⑧ > git status
- ⑨ Now check your github repository (refresh web page) whether the file is push or not.

## Assignment 2(c)

Create an angular appl<sup>n</sup> which will do following cmd:  
 Register user, login user, show users data on profile component

### ① Download node.js

> node v

→ node

### ② Download angular

> node --version

> npm install @angular

> npm install -g @angular/cli

> ang v

> ng v

### ③ Open Vs code and open ~~ft~~ folder

Open terminal

> npm --version

> npm install -g @angular/cli@latest

error: ng: File C:\Users\admit\AppData\Roaming\npm\

ps1 cannot

### ④ Open new terminal

> Set-ExecutionPolicy

> Set-ExecutionPolicy RemoteSigned -Scope CurrentUser

> Get-ExecutionPolicy

> Get-ExecutionPolicy list

> ng v

### ⑤ Open terminal:

> npm --version (check version of nodejs)

> npm install -g @angular/cli@latest (used to install angular cli)

> ng new part-c (used to create new angular project)  
> cd part-c  
> ng serve (used to compile code)

- ⑥ Go to link  
\* <http://localhost:4200/>

- ⑦ Make changes in  
src → app → ① app.component.html  
② app.component.ts  
③ app.component.css

### app.component.html

```
<h1> {{ title }} </h1>
<input type="text" #name placeholder="Enter your name"
       name="Name"> <br>
<input type="text" #contact placeholder="Enter your contact"
       name="Contact"> <br>
<input type="text" #address placeholder="Enter your address"
       name="Address"> <br>
<input type="email" #email placeholder="Enter your email"
       name="Email"> <br>
<input type="password" #password placeholder="Enter password"
       name="password"> <br>

<button (click) = "getValue(name.value, contact.value, address.value,
                           email.value)"> Register </button>

<h1> Your registered data </h1> <br>
```

```

<p> Name: {{ displayname }} </p>
<p> Address: {{ displayaddress }} </p>
<p> Contact: {{ displaycontact }} </p>
<p> Email: {{ displayemail }} </p>
    
```

### app.component.ts

```

import { Component } from '@angular/core';
    
```

```

@Component({
    
```

```

        selector: 'app-root',
    
```

```

        templateUrl: './app.component.html',
    
```

```

        styleUrls: ['./app.component.css']
    })
    
```

```

export class AppComponent {
    
```

```

        title = "Registration Form";
    }
    
```

variables } displayname = '';

displayaddress = '';

displaycontact = '';

displayemail = '';

```

getValue(name: string, address: string, contact: string,
        email: string) {
    
```

we have to  
keep the variable  
empty

→ this.displayname = name;

→ this.displayaddress = address;

→ this.displaycontact = contact;

→ this.displayemail = email;

}

}

### app.component.css

```

input {
    width: 400px;
    height: 25px;
}
    
```

```

    margin: 10px;
    padding: 5px;
}
    
```

### Assignment 3(a)

Create a node node.js appln which serves a static website

- ① make a folder
- ② Open that folder and click on path and write cmd then command prompt will open
- ③ >npm init  
  ↳ enter
- ④ Open Vs code  
  package.json is already created
- ⑤ Create file index.js inside folder
- ⑥ We need express  
  Go to cmd and enter command  
  >npm install express --save
- ⑦ node module is created
- ⑧ make new folder  
  public
- ⑨ inside public folder create a file name index.html
- ⑩ Write any code in index.html
- ⑪ index.js

```
const express = require('express');
const app = express();
```

```
app.use(express.static('public'))
```

```
app.listen(4000, () => {
```

```
  console.log("Server is Started");
```

```
}
```

↳ used for debugging and logging  
during development phase.

- ⑫ On cmd write  
  > node index.js

## Assignment 2(B)

### Docker

- ① Go to browser  
docker desktop (toolbar install)
- ② Download node.js
- ③ Open 'docker quickstart terminal' from search bar
- ④ Command prompt (VS code)  
> docker -version
- ⑤ Create folder 'wad2b' (no all in lowercase)
- ⑥ Create new file inside folder  
eg. Dockerfile (no need of extension)
- ⑦ Create js file inside folder  
eg. sakshi.js

Write code inside sakshi.js

```
console.log("Name = sakshi")
```

— U —  
— U —

Write code inside Dockerfile

```
FROM node:alpine
copy . /sak/wad2b
CMD node /wad2b/sakshi.js
```

7



Date

/ /

⑧ Go to terminal

> docker -version

> node -v

> docker build -t nodejs ~~nodejs~~ <sup>for all files</sup>

> node images

> docker images

Docker is an open platform which is used for developing, shipping and running app<sup>m</sup>.

It provides an ability to run an app<sup>m</sup> in an loosely isolated environment (container)