Jenkins

```
pipeline {
    agent any

    stages {
        stage('checkout my code') {
            steps {
                checkout scmGit(branches: [[name: '*/main']], extensions: [], userRemoteConfigs: [[credentialsId: '3165e58b-cb86-4d1d-83cd-ed1ba274f750', url: 'https://github.com/Suryakarthik-1/sdtyagy.git']])
            }
        }
        stage('build') {
            steps {
                git branch: 'main', credentialsId: '41be155d-a09a-4570-af10-e04f61b5f45b', url: 'https://github.com/Suryakarthik-1/sdtyagy.git'
                bat label:'',script:'node main.js'
            }
        }
        stage('test') {
            steps {
                echo 'test run successfull!'
            }
        }
    }
}
```

Html

```
<!DOCTYPE html>
<html>
 <head>
  <title>Welcome to my page</title>
  <style>
    body {
      background-color: brown;
      color: white;
      text-align: center;
    }
  </style>
 </head>
 <body>
  <h1>Welcome to my page</h1>
  <p>
    Lorem ipsum dolor sit amet consectetur adipisicing elit. Doloremque
    nesciunt facilis dolorem.
  </p>
  <form>
    <label for="name">Name</label>
    <input type="text" name="name" placeholder="Enter your name" />
    <br />
    <br />
    <button type="submit">Submit</button>
  </form>
  <br />
  <br />
  <hr />
  <p>&copy;This is my page examiner go !</p>
 </body>
</html>
```

Mongo db

```
use student
show dbs
db.createCollection("s")
show collections
db.s.insertOne({regno:111,name:"taman"})
db.s.insertMany([{regno:222,name:"pavan"},{regno:333,name:"rajj"},{regno:444,name:"rishi"}])
db.s.find()
db.s.find({regno:222})
db.s.updateOne({regno:333},{$set:{name:"Harish"}})
db.s.find()
db.s.insertOne({regno:444,name:"rahul"})
db.s.find()
db.s.updateMany({regno:444},{$set:{name:"avinash"}})
db.s.find()
db.s.updateMany({},{$set:{name:"raveesh"}})
db.s.find()
db.s.deleteOne({regno:111})
db.s.find()
db.s.deleteMany({regno:444})
db.s.find()
db.s.deleteMany({})
db.s.find()
```

Login form

```
<!DOCTYPE html>
<html>
  <head>
    <title>Welcome to my page</title>
  </head>
  <body>
    <h1>Welcome to my page</h1>
    <form>
      <label for="name">Name</label>
      <input type="text" name="name" placeholder="Enter your name" />
      <br />
      <br />
      <label for="password">Password</label>
      <input
        type="password"
        name="password"
        placeholder="Enter your password"
      />
      <br />
      <br />
      <button type="submit">Submit</button>
    </form>
    <br />
    <br />
    <script>
      const form = document.querySelector('form')
      form.addEventListener('submit', (event) => {
        event.preventDefault()
        form.style.display = 'none'
        document.querySelector('h1').innerText = 'Successfully logged in'
      })
    </script>
  </body>
</html>
```

Use state

```
import React, { useState } from 'react'

function App() {
  const [name, setName] = useState("Amith")
  return (
    <div>
      <h1>My Name is {name}</h1>
      Click hear to <button onClick={() => setName("Sri Laxmi")}>To see my lover name</button>
    </div>
  )
}
export default App
```

Props

```
//Student.js
import React from "react";

function Student (props) {
  return(
    <div>
      <h1>Name: {props.name}</h1>

      <p>Marks: {props.marks}</p>
    </div>
  )
}

export default Student


//App.js
import React from 'react';
import './App.css';
import Student from './Students';

function App(){
  return(
    <div>
      <Student name="Alice" marks={85} />

      <Student name="Karthik" marks={100} />
    </div>
  )
}

export default App
```

Components

```
import React from 'react'
import './App.css'

const Greeting = () => {
  return <h1>Hello, Welcome to My React App!</h1>
}

function App() {
  return (
    <div>
      <Greeting />
    </div>
  )
}

export default App
```