

Program-7:-Create a login page to authenticate a user using PWA with Manifest File.

1. Check nodejs and npm are there or not in ubuntu.
 - whereis nodejs
 - whereis npm
2. if nodejs and npm are not there in ubuntu first install nodejs and npm.
 - `sudo apt install nodejs`
 - `sudo apt install npm`
3. Then install npm in vs code
 - npm install
4. Then start npm
 - npm start
5. ctrl+shift+i-open developer option
6. create manifest [file:-](#)
public->right click->new file->manifest.json

manifest.json:-

```
{
  "name": "Login in PWA",
  "short_name": "login",
  "dir": "ltr",
  "display": "fullscreen",
  "orientation": "portrait-primary",
  "scope": ".",
  "start_url": "index.html",
  "id": "index.html",
  "background_color": "#e2e2e2",
  "theme_color": "#e2e2e2",
  "description": "The is Simple Program",
  "icons":
  [
    {
      "src": "/images/icons/icon-72x72.png",
      "type": "image/png",
      "sizes": "72x72"
    },
    {
      "src": "/images/icons/icon-96x96.png",
      "type": "image/png",
      "sizes": "96x96"
    },
    {
      "src": "/images/icons/icon-128x128.png",
      "type": "image/png",
      "sizes": "128x128"
    }
  ],
  ,
```


```

    {
      "src":"/images/icons/icon-144x144.png",
      "type":"image/png",
      "sizes":"144x144"
    }
  },
  {
    "src":"/images/icons/icon-152x152.png",
    "type":"image/png",
    "sizes":"152x152"
  }
],
{
  "src":"/images/icons/icon-152x152.png",
  "type":"image/png",
  "sizes":"152x152"
},
{
  "src":"/images/icons/icon-192x192.png",
  "type":"image/png",
  "sizes":"192x192"
},
{
  "src":"/images/icons/icon-152x152.png",
  "type":"image/png",
  "sizes":"152x152"
},
{
  "src":"/images/icons/icon-192x192.png",
  "type":"image/png",
  "sizes":"192x192"
},
{
  "src":"/images/icons/icon-384x384.png",
  "type":"image/png",
  "sizes":"384x384"
},
{
  "src":"/images/icons/icon-512x512.png",
  "type":"image/png",
  "sizes":"512x512"
}
]
}

```

Output:-

The screenshot displays a web browser at `localhost:4567` with several tabs open. The active page is a PWA titled "Login in PWA". The browser's Application panel is open, showing the following details:

- Application**
 - Name: Login in PWA
 - Short name: login
 - Description: The is Simple Program
 - Computed App Id: `http://localhost:4567/index.html` [Learn more](#)
- Presentation**
 - Start URL: [index.html](#)
 - Theme color: `#e2e2e2`
 - Background color: `#e2e2e2`
 - Orientation: `portrait-primary`
 - Display: `fullscreen`
- Icons**
 - ☐ Show only the minimum safe area for maskable icons
 - Need help? Read [documentation on maskable icons](#).
 - Primary icon as used by Chrome: 

The web page itself shows a "Login" form with the following elements:

- Header:

Login
- Form fields:
 - Enter Username
 - Enter Password
- Submit button: Login