Program-7:-Create a login page to authencate 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
2. Then start npm
   - npm start

3.ctrl+shift+i-open developer option
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",
```

```json
        "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:-

Login

Enter Username

Enter Password

Login

Elements   Console   Sources   Network   Performance   Memory   Application   Security   »   1

Application
  Manifest
  Service Workers
  Storage

Storage
  Local Storage
  Session Storage
  IndexedDB
  Web SQL
  Cookies
  Trust Tokens

Cache
  Cache Storage
  Back-forward Cache

Background Services
  Background Fetch
  Background Sync
  Notifications
  Payment Handler
  Periodic Background Sync
  Push Messaging

Frames
  top

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