Day 0

- Download and install Visual Studio Code https://code.visualstudio.com/
- Download and install git https://git-scm.com/downloads
- Download and install github desktop https://desktop.github.com/
- Download and install any desk https://anydesk.com/en/downloads
- Download and install google chrome browser

Day 1

- Exp1: HTML 5 Basics
  - HTML Tags
  - Lang
  - Head
  - Meta character set
  - Meta description
  - Meta keywords
  - Meta author
  - Meta view port
  - Title
  - Body
  - Heading
  - Paragraph
  - Preview using open with browser option
  - Installing live server in VSCode
  - Preview using live server
  - Adding logo, getting logo from https://www.flaticon.com/ download 512 and 32 pix
  - Get logo from supporting files
  - Adding logo using img tag
  - div tag
- Exp2: CSS basics
  - Background color #000000, #FFFFFF
  - Color
  - Google chrome dev tools inspect elements
  - Color picker in google chrome
  - Padding
  - Need of view-port meta tag
  - Margin
- Exp3: Continue building news app
  - News title, description, image, width 100%
  - Adding separate div
  - Text align
  - Adding next page and previous page link
- Exp4: CSS advanced class
  - Top bar class
  - Giving style to html tag img 100% logo also becomes 100%
  - Referring html element inside a class
  - Creating style sheet rel>relationship

- o Inline CSS and external css
- o Adding fav icon 32 32 pix
- Exp5: Bootstrap
  - o Download Bootstrap https://getbootstrap.com/docs/4.4/getting-started/download/
  - o Download jQuery https://code.jquery.com/jquery-3.5.0.min.js
  - o Bootstrap Nav bar
  - o Bootstrap container, Bootstrap row, Bootstrap grid
- Exp6: jQuery
  - o Document ready function
  - o Alert
  - o Debugging using console
  - o jQuery selector tag, class, id
  - o Adding class
  - o Bootstrap button
  - o Button click listener
  - o toggle
- Exp7: jQuery form management
  - o Bootstrap form-group class
  - o Form-control class
  - o Getting input values, log it in to console
  - o parseInt()
  - o writing html , string concatenation in java
  - o creating script file
  - o form validation as offline task
- Exp8: Continuing the news application
  - o Bootstrap card
  - o Bootstrap my class
  - o Refresh button
- Exp9: Dynamic news
  - o Prepare google sheet
  - o Publish google sheet
  - o Get google sheet ID
  - o Adding details to app.js file
  - o Getting JSON (Java Script Object Notation) data from google sheet
  - o The structure of JSON data log in console
  - o Feed, author, category, entry
- Exp10: arranging data from Json object, s
  - o Showing first item
- Exp11: Showing all items
- Ecp12: Adding manifest files
  - o Generate manifest files online https://app-manifest.firebaseapp.com/
  - o Download and extract app images
  - o Include the manifest file to HTML
  - o Application view in debugger tools
  - o Using google light house to audit the app
- Exp13: Adding service worker
  - o Creating sw.js script

- o   Creating cache
- o   Adding install event listener
- o   Adding fetch event listener
- o   Registering service worker
- o   Conforming registration using application debugger
- o   Viewing cache
- o   Working offline
- o   Installing the app
- o   Work offline news will not load
- Exp14: Caching news also
  - o   Cashfirst and networkFirst functions
  - o   Going offline and viewing news
  - o   When clicked refresh button reload
- Exp15: Github create repository in name of your github account (parakkajithin.github.io)
  - o   git init
  - o   git add –all
  - o   git commit -m "First commit"
  - o   `git remote add origin https://github.com/parakkajithin/test.git`
  - o   `git push -u origin master`
  - o   Viewing changes using git
  - o   Using github desktop
  - o   Download and install your remote app in mobile phone
  - o   Uninstalling app
- Exp16: Adding prompt to install
  - o   Bootstrap model
  - o   Before install prompt
  - o   Showing bootstrap model
  - o   Calling install function
  - o   Committing and pushing to github
- Exp17: Adding IOS specific elements