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IONIC Practical 1

Hybrid app:

Like native apps, run on the device, and are written with web technologies (HTML5, CSS and JavaScript). Hybrid apps run inside a native container, and leverage the device's browser engine (but not the browser) to render the HTML and process the JavaScript locally. A web-to-native abstraction layer enables access to device capabilities that are not accessible in Mobile Web applications, such as the accelerometer, camera and local storage.

How to create and ionic web app:

The requirement for creating an Ionic web app is:

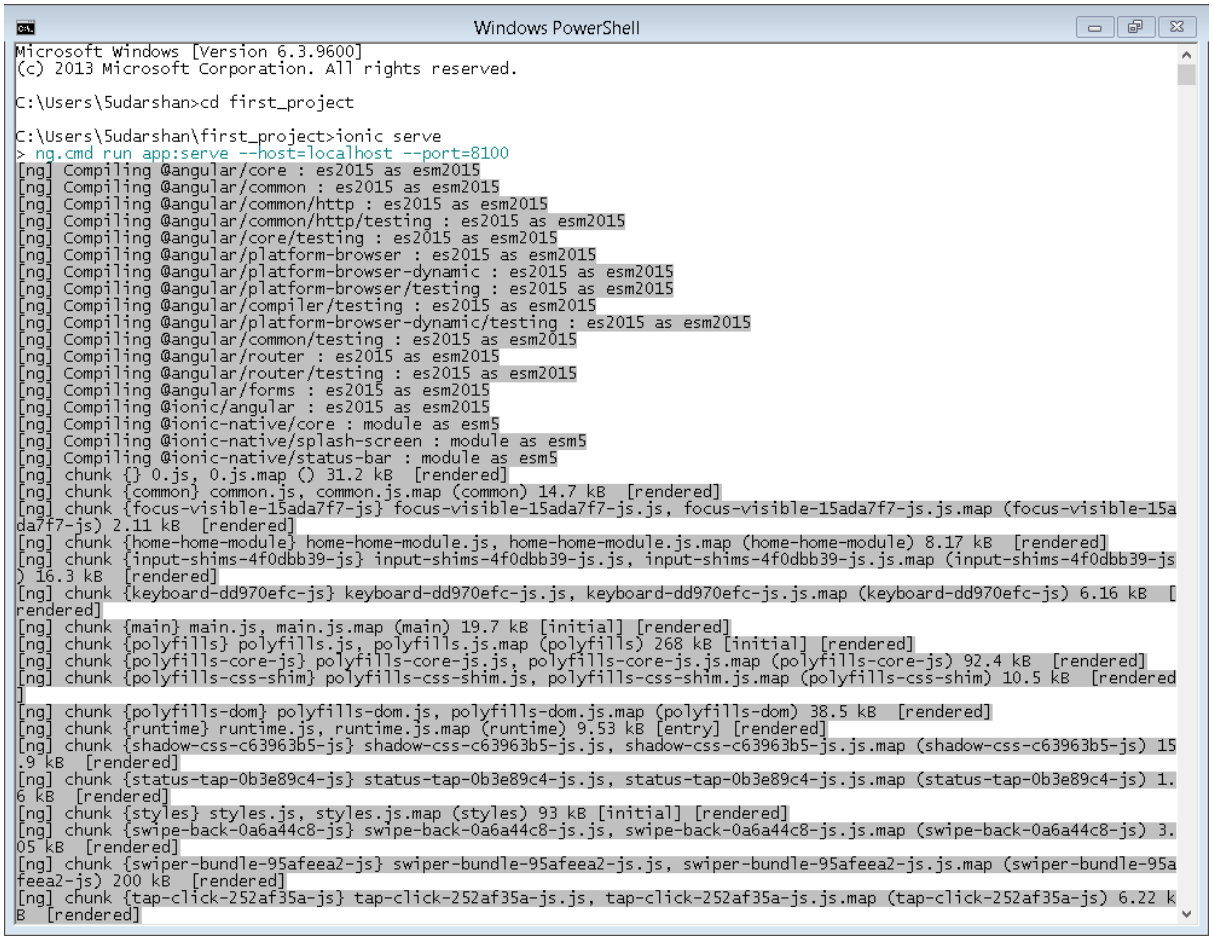
Node Js

NPM

Run the below commands in the command prompt or terminal

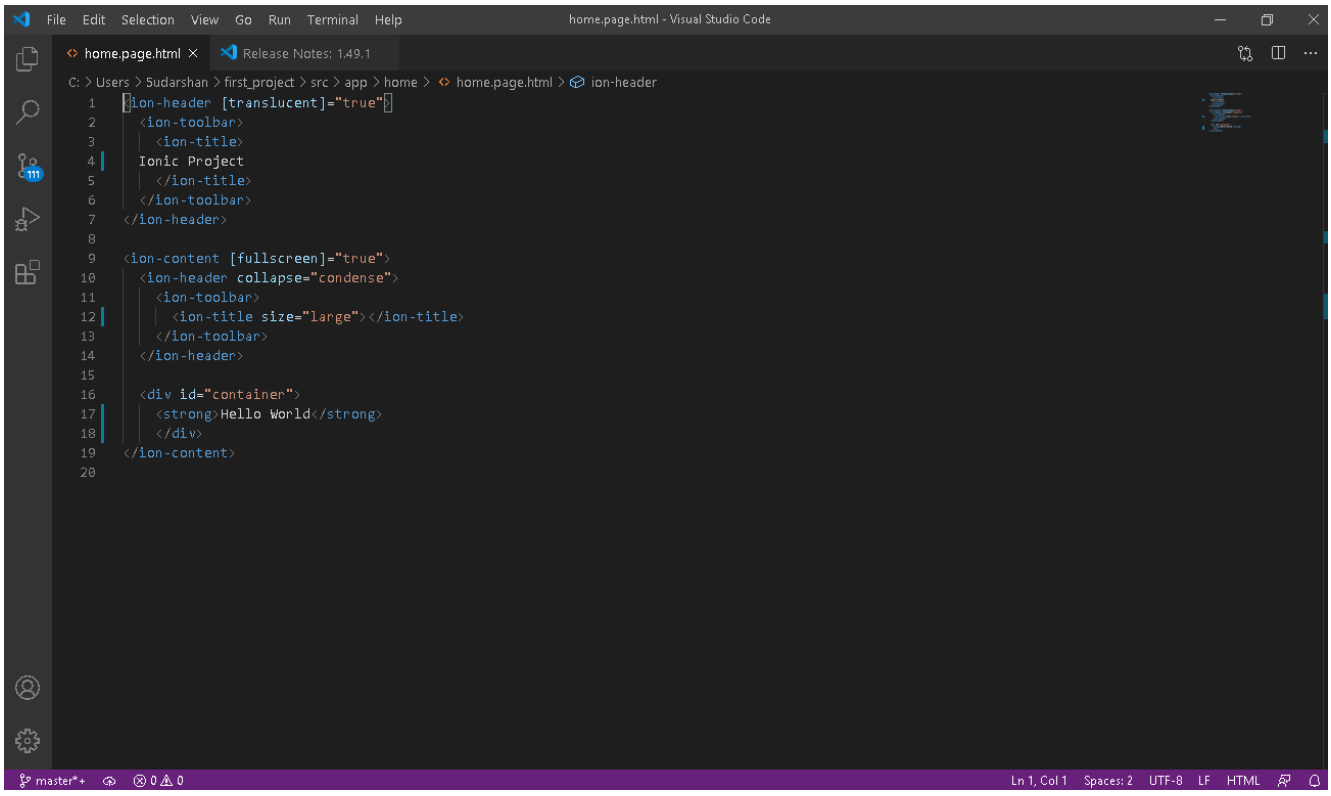
Steps for creating Ionic Web app:

1. Install ionic using npm install -g ionic
2. Get ionic info using ionic info
3. To create an ionic app type ionic start first_Project
4. Then it will ask to choose a framework if you want to make it in angular
   choose angular
5. Then to start running the ionic web page in the server type ionic serve.

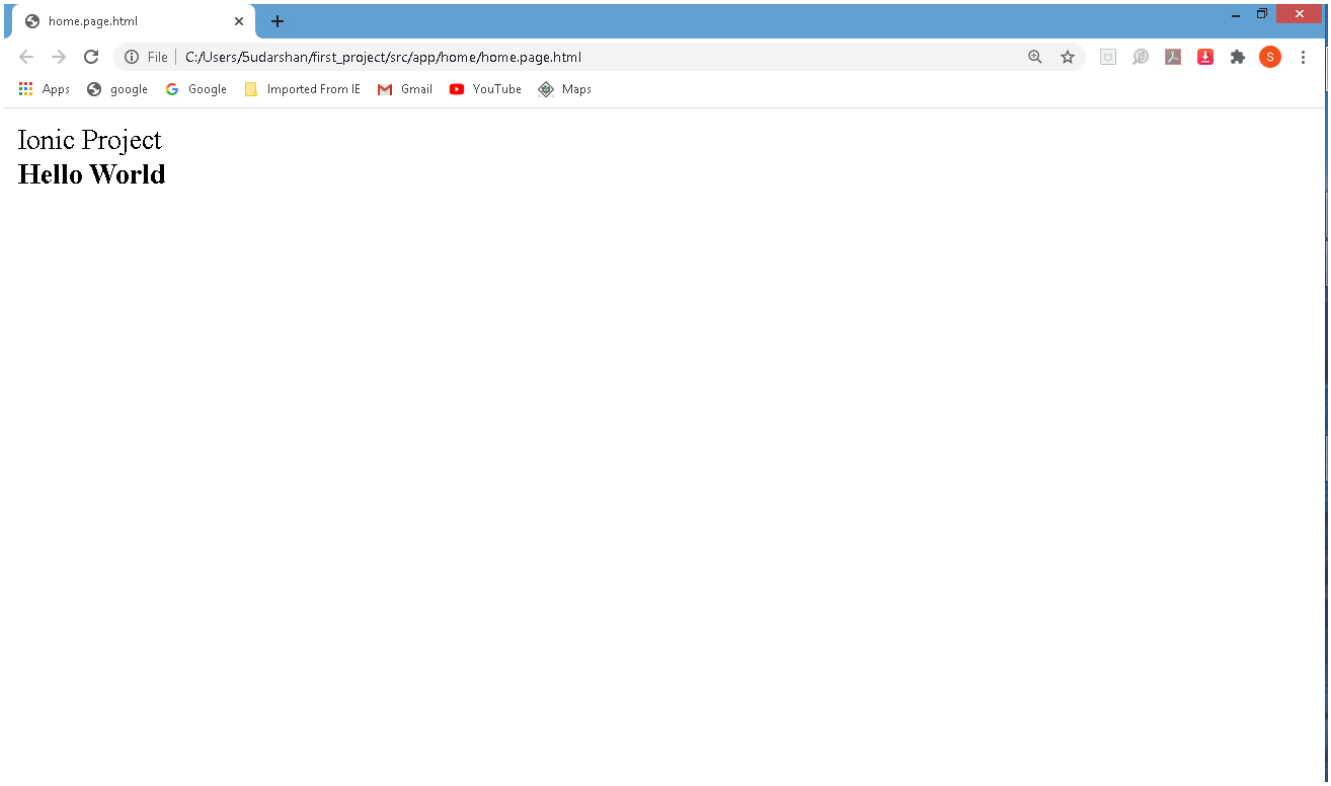


6. To access the web page go on http://localhost:8100

```
[ng] chunk {} 0.js, 0.js.map () 31.2 kB  [rendered]
[ng] chunk {common} common.js, common.js.map (common) 14.7 kB  [rendered]
[ng] chunk {focus-visible-15ada7f7-js} focus-visible-15ada7f7-js.js, focus-visible-15ada7f7-js.js.map (
da7f7-js) 2.11 kB  [rendered]
[ng] chunk {home-home-module} home-home-module.js, home-home-module.js.map (home-home-module) 8.17 kB
[ng] chunk {input-shims-4f0dbb39-js} input-shims-4f0dbb39-js.js, input-shims-4f0dbb39-js.js.map (input-
) 16.3 kB  [rendered]
[ng] chunk {keyboard-dd970efc-js} keyboard-dd970efc-js.js, keyboard-dd970efc-js.js.map (keyboard-dd970
rendered]
[ng] chunk {main} main.js, main.js.map (main) 19.7 kB [initial] [rendered]
[ng] chunk {polyfills} polyfills.js, polyfills.js.map (polyfills) 268 kB [initial] [rendered]
[ng] chunk {polyfills-core-js} polyfills-core-js.js, polyfills-core-js.js.map (polyfills-core-js) 92.4
[ng] chunk {polyfills-css-shim} polyfills-css-shim.js, polyfills-css-shim.js.map (polyfills-css-shim) 1
]
[ng] chunk {polyfills-dom} polyfills-dom.js, polyfills-dom.js.map (polyfills-dom) 38.5 kB  [rendered]
[ng] chunk {runtime} runtime.js, runtime.js.map (runtime) 9.53 kB [entry] [rendered]
[ng] chunk {shadow-css-c63963b5-js} shadow-css-c63963b5-js.js, shadow-css-c63963b5-js.js.map (shadow-cs
.9 kB  [rendered]
[ng] chunk {status-tap-0b3e89c4-js} status-tap-0b3e89c4-js.js, status-tap-0b3e89c4-js.js.map (status-ta
6 kB  [rendered]
[ng] chunk {styles} styles.js, styles.js.map (styles) 93 kB [initial] [rendered]
[ng] chunk {swipe-back-0a6a44c8-js} swipe-back-0a6a44c8-js.js, swipe-back-0a6a44c8-js.js.map (swipe-ba
05 kB  [rendered]
[ng] chunk {swiper-bundle-95afeea2-js} swiper-bundle-95afeea2-js.js, swiper-bundle-95afeea2-js.js.map (
feea2-js) 200 kB  [rendered]
[ng] chunk {tap-click-252af35a-js} tap-click-252af35a-js.js, tap-click-252af35a-js.js.map (tap-click-25
B  [rendered]
[ng] chunk {vendor} vendor.js, vendor.js.map (vendor) 4.79 MB [initial] [rendered]
[ng] Date: 2020-09-15T20:10:39.279Z - Hash: c30257daaae65c165e0a - Time: 90115ms
[ng] WARNING in C:\Users\5udarshan\first_project\src\test.ts is part of the TypeScript compilation but
[ng] Add only entry points to the 'files' or 'include' properties in your tsconfig.
[ng] WARNING in C:\Users\5udarshan\first_project\src\environments\environment.prod.ts is part of the Ty
ion but it's unused.
[ng] Add only entry points to the 'files' or 'include' properties in your tsconfig.
[INFO] ... and 42 additional chunks
[ng] : Compiled successfully.

[INFO] Development server running!

       Local: http://localhost:8100

       Use Ctrl+C to quit this process

[INFO] Browser window opened to http://localhost:8100!
```



Final Output :



How to create an Ionic Android app:

Steps to create an ionic android app:

1. After you have built the web app next command you should type is ionic cordova platform add android .This will add and android platform to your web app directory.
2. Now type ionic cordova build android to start building your android app.
3. Now type ionic cordova run android , If you have connect your machine to a phone and turned on USB debugging the app will export to your pc and if you are running an emulator the out will be like this.