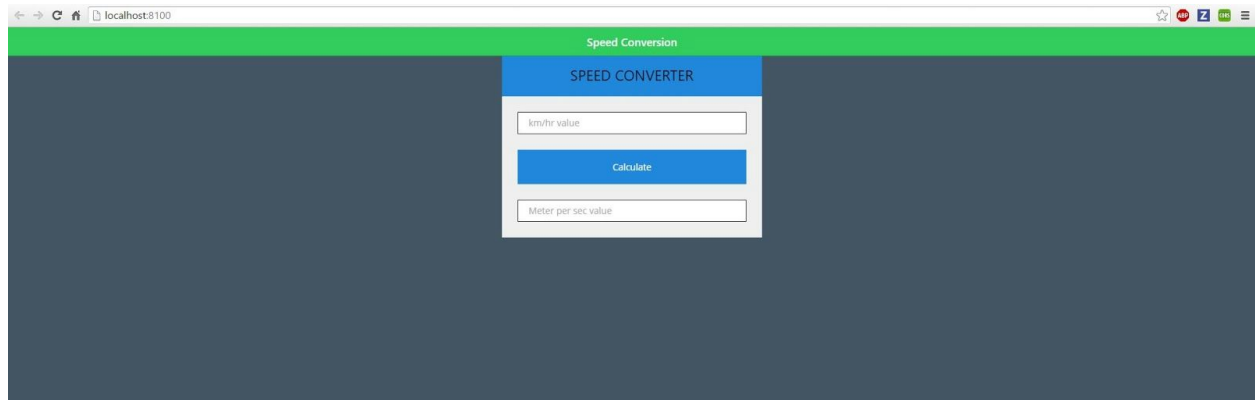


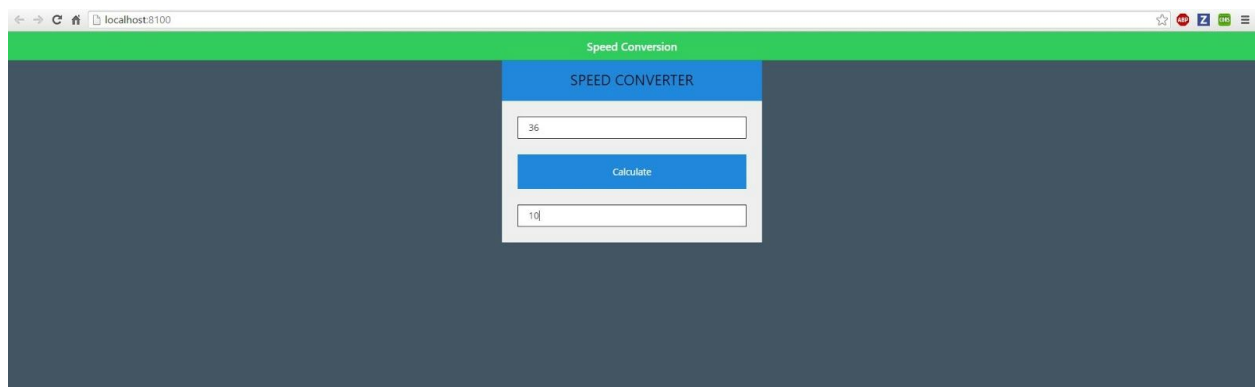
# LAB ASSIGNMENT - 8

-> Running the app using ionic serve



A screenshot of a web browser displaying a speed conversion application. The browser's address bar shows 'localhost:8100'. The app has a green header bar with the text 'Speed Conversion'. Below the header is a blue box containing the text 'SPEED CONVERTER'. Inside this box, there is a text input field labeled 'km/hr value', a blue 'Calculate' button, and another text input field labeled 'Meter per sec value'.

-> Enter a value for km/hr and then click on calculate button, then the result is given in the below meterpersec value box

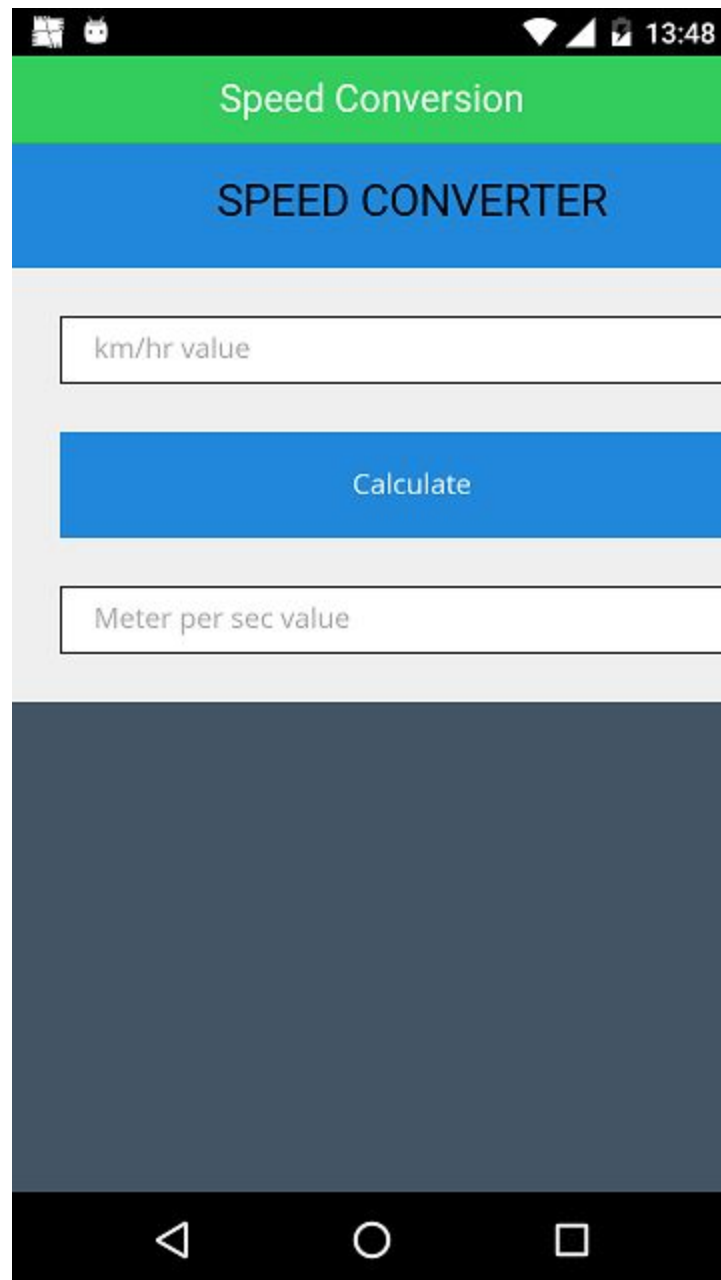


A screenshot of the same web browser displaying the speed conversion application. The browser's address bar shows 'localhost:8100'. The app has a green header bar with the text 'Speed Conversion'. Below the header is a blue box containing the text 'SPEED CONVERTER'. Inside this box, the text input field labeled 'km/hr value' now contains the number '36'. The blue 'Calculate' button is still present. The text input field labeled 'Meter per sec value' now contains the number '10'.

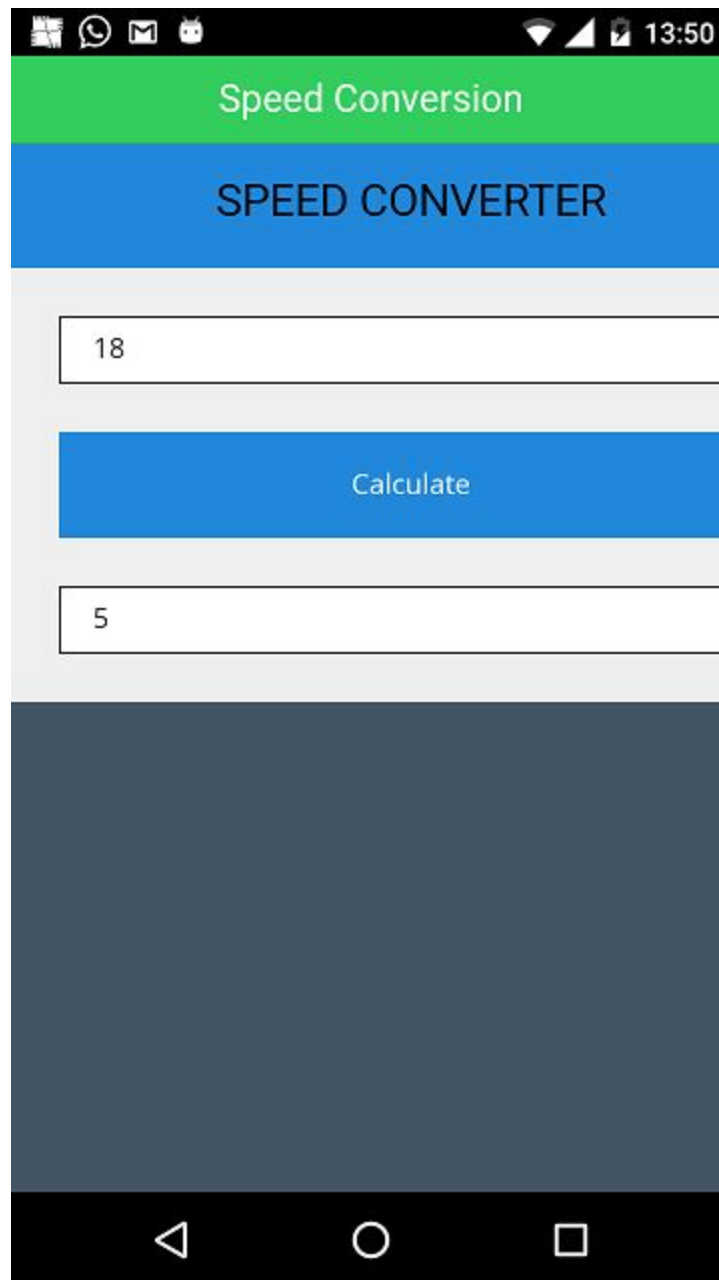
-> Trying to run the app in the android device

```
Command Prompt
C:\Users\kisho\REStapp>ionic run android
Running command: "C:\Program Files\nodejs\node.exe" C:\Users\kisho\REStapp\hooks\after_prepare\@010_add_platform_class.js C:\Users\kisho\REStapp
add to body class: platform-android
ANDROID_HOME=C:\Users\kisho\AppData\Local\Android\sdk
JAVA_HOME=C:\Program Files\Java\jdk1.7.0_79
No target specified, deploying to device 'ZX1D629KL9'.
:preBuild UP-TO-DATE
:preDebugBuild UP-TO-DATE
:checkDebugManifest
:CordovaLib:preBuild UP-TO-DATE
:CordovaLib:preDebugBuild UP-TO-DATE
:CordovaLib:compileDebugAidl UP-TO-DATE
:CordovaLib:compileDebugLint
:CordovaLib:copyDebugLint UP-TO-DATE
:CordovaLib:mergeDebugProguardFiles UP-TO-DATE
:CordovaLib:packageDebugRenderscript UP-TO-DATE
:CordovaLib:checkDebugManifest
:CordovaLib:prepareDebugDependencies
:CordovaLib:compileDebugRenderscript UP-TO-DATE
:CordovaLib:generateDebugResValues UP-TO-DATE
:CordovaLib:generateDebugResources UP-TO-DATE
:CordovaLib:packageDebugResources UP-TO-DATE
:CordovaLib:compileDebugAidl UP-TO-DATE
:CordovaLib:generateDebugBuildConfig UP-TO-DATE
:CordovaLib:generateDebugAssets UP-TO-DATE
:CordovaLib:mergeDebugAssets UP-TO-DATE
:CordovaLib:processDebugManifest UP-TO-DATE
:CordovaLib:processDebugResources UP-TO-DATE
:CordovaLib:generateDebugSources UP-TO-DATE
:CordovaLib:compileDebugJavaWithJavac UP-TO-DATE
:CordovaLib:processDebugJavaRes UP-TO-DATE
:CordovaLib:transformResourcesWithMergeJavaResForDebug UP-TO-DATE
:CordovaLib:transformClassesAndResourcesWithSyncLibJarsForDebug UP-TO-DATE
:CordovaLib:mergeDebugInLibFolders UP-TO-DATE
:CordovaLib:transformNative_libsWithMergeInLibsForDebug UP-TO-DATE
:CordovaLib:transformNative_libsWithSyncInLibsForDebug UP-TO-DATE
:CordovaLib:bundleDebug UP-TO-DATE
:prepareAndroidCordovaLibUnspecifiedDebugLibrary UP-TO-DATE
:prepareDebugDependencies
:compileDebugAidl UP-TO-DATE
:compileDebugRenderscript UP-TO-DATE
:generateDebugBuildConfig UP-TO-DATE
:generateDebugAssets UP-TO-DATE
:mergeDebugAssets UP-TO-DATE
:generateDebugResValues UP-TO-DATE
:generateDebugResources UP-TO-DATE
:mergeDebugResources UP-TO-DATE
:processDebugManifest UP-TO-DATE
:processDebugResources UP-TO-DATE
:generateDebugSources UP-TO-DATE
:compileDebugJavaWithJavac UP-TO-DATE
:compileDebugAidl UP-TO-DATE
:compileDebugSources UP-TO-DATE
:transformClassesWithDexForDebug UP-TO-DATE
:mergeDebugInLibFolders UP-TO-DATE
:transformNative_libsWithMergeInLibsForDebug UP-TO-DATE
:processDebugJavaRes UP-TO-DATE
:transformResourcesWithMergeJavaResForDebug UP-TO-DATE
:validateDebugSigning
:packageDebug UP-TO-DATE
:zipalignDebug UP-TO-DATE
:assembleDebug UP-TO-DATE
:cordovaBuildDebug UP-TO-DATE
BUILD SUCCESSFUL
Total time: 7.214 secs
Built the following apk(s):
  C:\Users\kisho\REStapp\platforms\android\build\outputs\apk\android-debug.apk
Using apk: C:\Users\kisho\REStapp\platforms\android\build\outputs\apk\android-debug.apk
LAUNCH SUCCESS
```

-> After build gets success, the app runs on the android device



-> Give the value for km/hr and click on calculate button



The image shows a mobile application interface for speed conversion. At the top, there is a black status bar with icons for signal, Wi-Fi, battery, and the time 13:50. Below this is a green header bar with the text "Speed Conversion". Underneath is a blue bar with the text "SPEED CONVERTER". The main area has a light gray background. It contains two white input fields with black borders. The first input field contains the number "18". Below it is a blue button with the text "Calculate". Below the button is another white input field containing the number "5". At the bottom of the screen is a dark gray area, and at the very bottom is a black navigation bar with three white icons: a triangle, a circle, and a square.

-> Running three test cases

```
Command Prompt
16:03 2016/03/25 23:45:17.293:WARN (karma): No captured browser, open http://localhost:9876/
16:03 2016/03/25 23:45:17.293:INFO (karma): Karma v0.13.10 server started at http://localhost:9876/
16:03 2016/03/25 23:45:17.358:INFO (launcher): Starting browser Chrome
16:03 2016/03/25 23:45:22.742:INFO (Chrome 49.0.2623) (Windows 8.1 0.0.0): Connected on socket NC8hwRCvWlIGSvayg8AAA with id 8454837
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0 secs / 0.119 secs)
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0.25 secs / 0.119 secs)
17:03 2016/03/25 23:45:25.765:WARN (Chrome 49.0.2623) (Windows 8.1 0.0.0): Disconnected (1 time)
17:03 2016/03/25 23:45:25.765:INFO (Chrome 49.0.2623) (Windows 8.1 0.0.0): Connected on socket ivzgiMdfNF-UMRQGHAB with id 8454837
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0 secs / 0.064 secs)
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0.076 secs / 0.064 secs)
17:03 2016/03/25 23:45:27.778:WARN (Chrome 49.0.2623) (Windows 8.1 0.0.0): Disconnected (1 time)
17:03 2016/03/25 23:45:27.778:INFO (Chrome 49.0.2623) (Windows 8.1 0.0.0): Connected on socket atOLhKZz243VfY6KAARAC with id 8454837
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0 secs / 0.03 secs)
Chrome 49.0.2623 (Windows 8.1 0.0.0): Executed 1 of 1 SUCCESS (0.038 secs / 0.03 secs)
```

