



UNIVERSITI MALAYSIA TERENGGANU

FACULTY OF OCEAN ENGINEERING TECHNOLOGY & INFORMATICS

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FRONT-END PROGRAMMING

CSM 3103

LAB 2 REPORT

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## TASK 1

The screenshot shows the Cordova documentation website. The left sidebar contains a navigation menu with sections like 'INTRODUCTION', 'CREATE APPS', and 'Develop for platforms'. The main content area is titled 'Create your first Cordova app' and includes a sub-header 'Installing the Cordova CLI'. The text explains that the Cordova CLI is an npm package and provides a three-step guide for installation.

### Create your first Cordova app

This guide shows you how to create a JS/HTML Cordova application and deploy them to various native mobile platforms using the `cordova` command-line interface (CLI). For detailed reference on Cordova command-line, review the [CLI reference](#).

#### Installing the Cordova CLI

The Cordova command-line tool is distributed as an npm package.

To install the `cordova` command-line tool, follow these steps:

1. Download and install [Node.js](#). On installation you should be able to invoke `node` and `npm` on your command line.
2. (Optional) Download and install a [git client](#), if you don't already have one. Following installation, you should be able to invoke `git` on your command line. The CLI uses it to download assets when they are referenced using a url to a git repo.
3. Install the `cordova` module using `npm` utility of Node.js. The `cordova` module will automatically be

The screenshot shows the Node.js Downloads page. It features a header with navigation links and a main section titled 'Downloads'. Below this, there are two tabs: 'LTS' (Recommended For Most Users) and 'Current' (Latest Features). Under the 'LTS' tab, there are three download options: 'Windows Installer', 'macOS Installer', and 'Source Code'. Below these, there is a table listing various download options for different operating systems and architectures.

## Downloads

Latest LTS Version: **18.15.0** (includes npm 9.5.0)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.

	LTS Recommended For Most Users	Current Latest Features
Windows Installer	node-v18.15.0-x64.msi	
macOS Installer	node-v18.15.0.pkg	
Source Code		node-v18.15.0.tar.gz

	32-bit	64-bit
Windows Installer (.msi)		
Windows Binary (.zip)		
macOS Installer (.pkg)		64-bit / ARM64
macOS Binary (.tar.gz)	64-bit	ARM64
Linux Binaries (x64)		64-bit
Linux Binaries (ARM)	ARMv7	ARMv8

## TASK 2

```
Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

C:\Users\HONOR>npm install -g cordova
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN deprecated @npmcli/move-file@1.1.2: This functionality has been moved to @npmcli/fs
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
npm WARN deprecated request@2.88.2: request has been deprecated, see https://github.com/request/request/issues/3142
npm WARN deprecated stringify-package@1.0.1: This module is not used anymore, and has been replaced by @npmcli/package-json

added 489 packages in 2m

52 packages are looking for funding
  run 'npm fund' for details
npm notice
npm notice New minor version of npm available! 9.5.0 -> 9.6.4
npm notice Changelog: https://github.com/npm/cli/releases/tag/v9.6.4
npm notice Run npm install -g npm@9.6.4 to update!
npm notice

C:\Users\HONOR>
```

## TASK 3

```
File Edit Selection View Go Run ...
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

index.js
C:\Users\HONOR\Desktop\cordovaProject\Task2Hello\platforms\browser>www>js>index.js>...

17  * under the License.
18  */
19
20  // Wait for the deviceready event before using any of Cordova's device APIs.
21  // See https://cordova.apache.org/docs/en/latest/cordova/events/events.html#deviceready
22  document.addEventListener('deviceready', onDeviceReady, false);
23
24  function onDeviceReady() {
25      // Cordova is now initialized. Have fun!
26
27      console.log('Running cordova-' + cordova.platformId + '@' + cordova.version);
28      document.getElementById('deviceready').classList.add('ready');
29  }
30
31  document.addEventListener('volumedownbutton', onVolumeKeyDown, false);
32
33  function onVolumeKeyDown() {
34      alert("You press volume down!");
35  }
36
37  document.addEventListener('backbutton', onBackButton, false);
38
39  function onBackButton(e) {
40      e.preventDefault();
41      alert("backbutton pressed!");
42  }
43
44
45
```

```
Command Prompt
C:\Windows\system32\cmd

ab2 Task2
? May Cordova anonymously report usage statistics to improve the tool over time? No

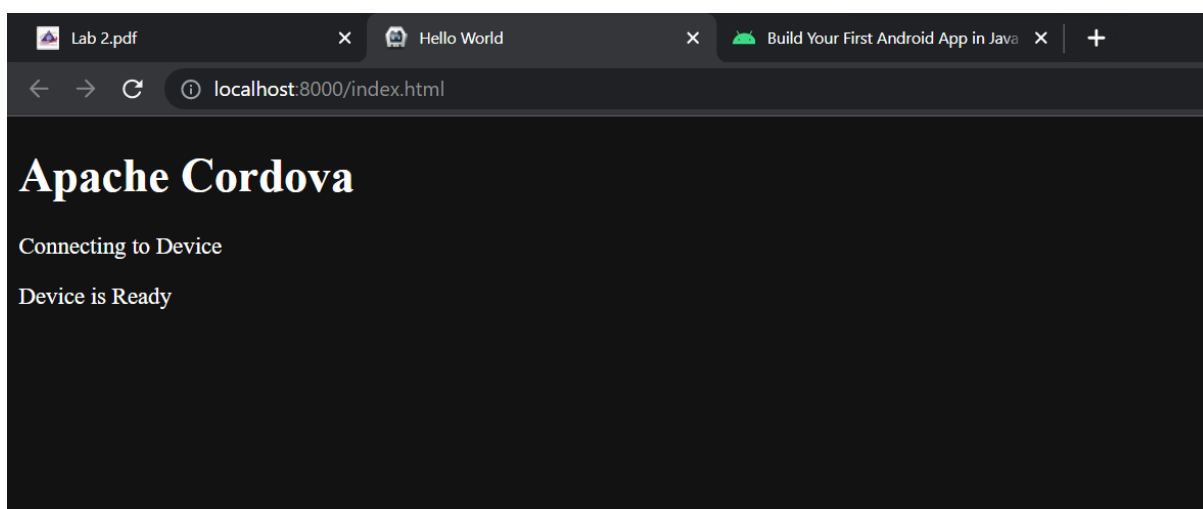
You have been opted out of telemetry. To change this, run: cordova telemetry on.
Creating a new cordova project.

C:\Users\HONOR\Desktop\cordovaProject>cd Task2Hello

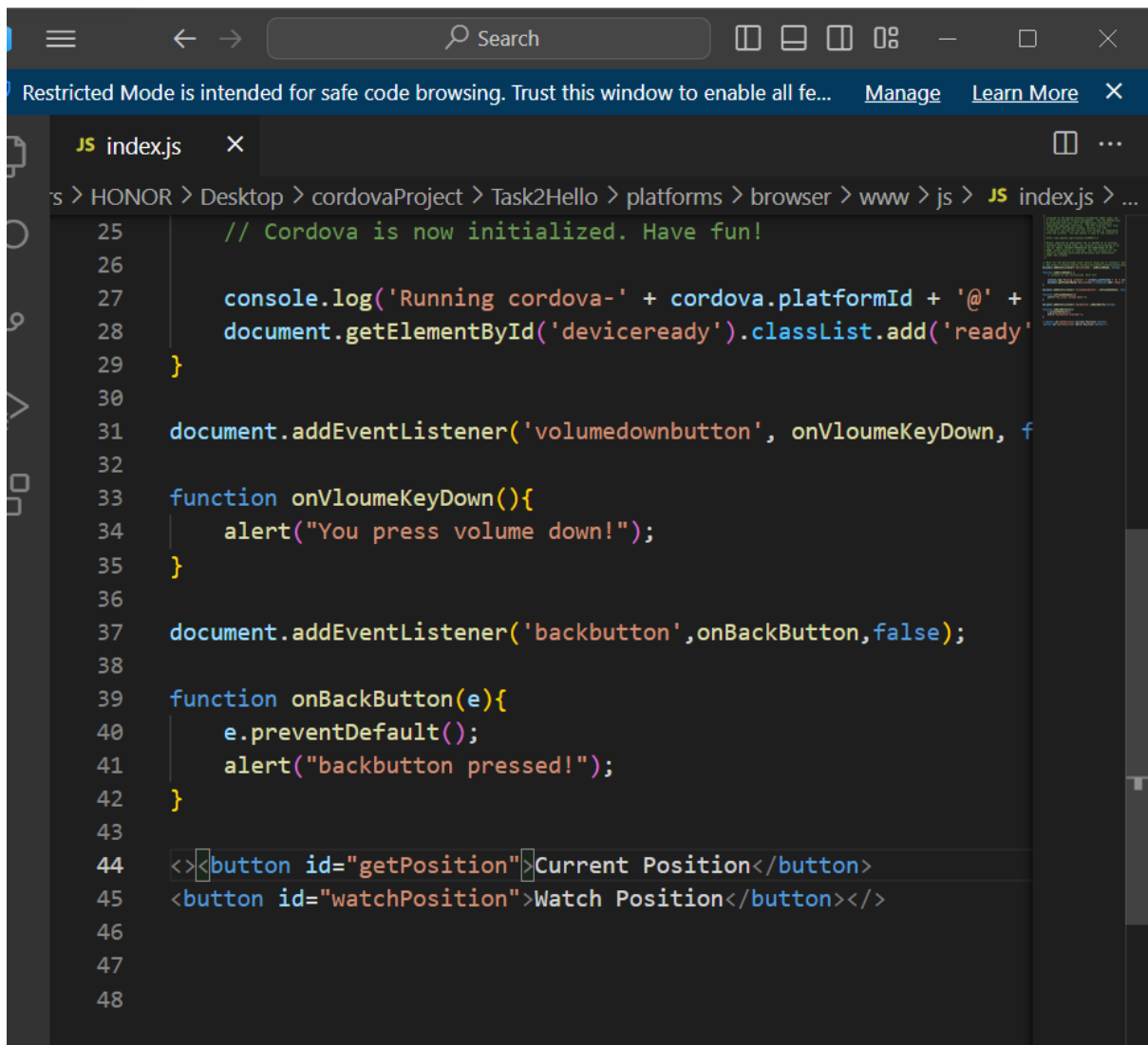
C:\Users\HONOR\Desktop\cordovaProject\Task2Hello>cordova platform add browser
Using cordova-fetch for cordova-browser@^6.0.0
Adding browser project...
Creating Cordova project for cordova-browser:
  Path: C:\Users\HONOR\Desktop\cordovaProject\Task2Hello\platforms\browser
  Name: Task2

C:\Users\HONOR\Desktop\cordovaProject\Task2Hello>Cordova platform add browser
Using cordova-fetch for cordova-browser@^6.0.0
Platform browser already added.

C:\Users\HONOR\Desktop\cordovaProject\Task2Hello>cordova run browser
startPage = index.html
Static file server running @ http://localhost:8000/index.html
CTRL + C to shut down
200 /index.html (gzip)
(node:4536) [DEP0066] DeprecationWarning: OutgoingMessage.prototype._headers is deprecated
(Use `node --trace-deprecation ...` to show where the warning was created)
200 /css/index.css (gzip)
200 /cordova.js (gzip)
200 /img/logo.png
404 /cordova_plugins.js
200 /js/index.js (gzip)
200 /favicon.ico (gzip)
```



## TASK 4



```
25 // Cordova is now initialized. Have fun!
26
27 console.log('Running cordova-' + cordova.platformId + '@' +
28 document.getElementById('deviceready').classList.add('ready')
29 }
30
31 document.addEventListener('volumedownbutton', onVloumeKeyDown, f
32
33 function onVloumeKeyDown(){
34     alert("You press volume down!");
35 }
36
37 document.addEventListener('backbutton',onBackButton,false);
38
39 function onBackButton(e){
40     e.preventDefault();
41     alert("backbutton pressed!");
42 }
43
44 <><button id="getPosition">Current Position</button>
45 <button id="watchPosition">Watch Position</button></>
46
47
48
```