Mobile Programming

Aim: Creating and building simple "HELLO WORLD" App using Cordova.

Steps to create Cordova Application:

Step1:- To create cordova app

Cordova create hello Cordova_App.io.hello helloapp

Step 2:-To add Android/Browser platform.

Cordova platform add android

Add/install plugins:-

Cordova plugin add cordova-plugin-camera

Cordova plugin add cordova-plugin-contact

Cordova plugin add cordova-plugin- battery-status

Cordova plugin add cordova-plugin-device

Step 3:- Add required code in respective HTML/JS file.

Code:-

Index.html

```
<html>

<head>

 <meta charset="utf-8">
```

```html
<link rel="stylesheet"herf="css/index.css">
<title>TELI YADNESH (243) </title>
</head>
<body>
<div class="app">
<h1>Apache Cordova</h1>
<div id="deviceredy" class="blink">
<p class="event listening">Connecting to Device</p>
<p class="event received">Device is Ready</p>
</div>
<div>
<h2></h2>
</div>
<h3>HELLO WORLD</h3>
</div>
<script src="cordova.js"></script>
<script src="js/index.js"></script>
</body>
</html>
```

Code:-

Index.css

```css
Body {
Background-color:#ffff00;background-image:linear-gradient(to
```

```css
Bottom, #00ff00

0%, #ffff00 51%);

}

h1 {

font-size:24px;

font-weight:bold;

overflow:visible;

padding:0px;

text-align:center;

}

h3 {

font-size:24px;

font-weight:bold;

margin:0px;

overflow:visible;

padding:0px

text-align:center;

}
```

Step 4:- To build the Cordova App.

cordova build android

Step 5:- To run the Cordova App.

cordova run android

OUTPUT :-

+-

PRACTICAL NO:-3

Date: 26/08/2021
Practical No.: - 3
Aim: Creating and building simple "CALCULATOR" App using Cordova.
Steps to create CALCULATOR Application.
Step 1: - To create CALCULATOR Application.
cordova create app CALCULATOR.io.app CALCULATORAPP
Step 2: - To add Android/Browser platform.
cordova platform add android
Step 3: - Add required code in respective HTML/JS file.

Code: -

Index.html

```html
<html>
<head>
<title>HELLO WORLD</title>
</head>
<body>
<div class="app">
<h1>Apache Cordova</h1><br>
<h2>CALCULATOR</h2><br>
ENTER NO1:<input type=text id='p'><br>
ENTER NO2:<input type=text id='q'><br>
<button id='a'>+</button> 
<button id='b'>-</button> 
<button id='c'>*</button> 
<button id='d'>/</button> 
<div id="deviceready" class="blink">
<p class="event listening">Connecting to device</p>
<p class="event received">Device is Ready</p>
</div>
</div>
 <script src="cordova.js"></script>
<script src="js/index.js"></script>
</body>
```

```
</html>
```

Code: -
Index.JS
```
document.addEventListener('deviceready', onDeviceReady, false);
function onDeviceReady() {
// Cordova is now initialized. Have fun!
document.getElementById("a").addEventListener("click",A);
document.getElementById("b").addEventListener("click",A1);
document.getElementById("c").addEventListener("click",A2);
document.ge-ElementById("d").addEventListener("click",A3);
console.log('Running cordova-' + cordova.platformId + '@' +
cordova.version);
document.getElementById('deviceready').classList.add('ready');

}
<script src="cordova.js"></script>
<script src="js/index.js"></script>
</body>
</html>
```

Code: -
Index.JS
```
function A() {
var a = parseInt(document.getElementById('p').value);
var b = parseInt(document.getElementById('q').value);
var c = a+b;
alert("ADDITION=" + c);
}
function A1() {
var a = parseInt(document.getElementById('p').value);
var b = parseInt(document.getElementById('q').value);
var c = a-b;
alert("subtraction=" + c);
}
function A2() {
var a = parseInt(document.getElementById('p').value);
var b = parseInt(document.getElementById('q').value);
var c = a*b;
alert("multiplication="+c);
```

```
}
function A3() {
var a = parseInt(document.getElementById('p').value);
var b = parseInt(document.getElementById('q').value);
var c =a/b;
alert("division="+c);
}
```
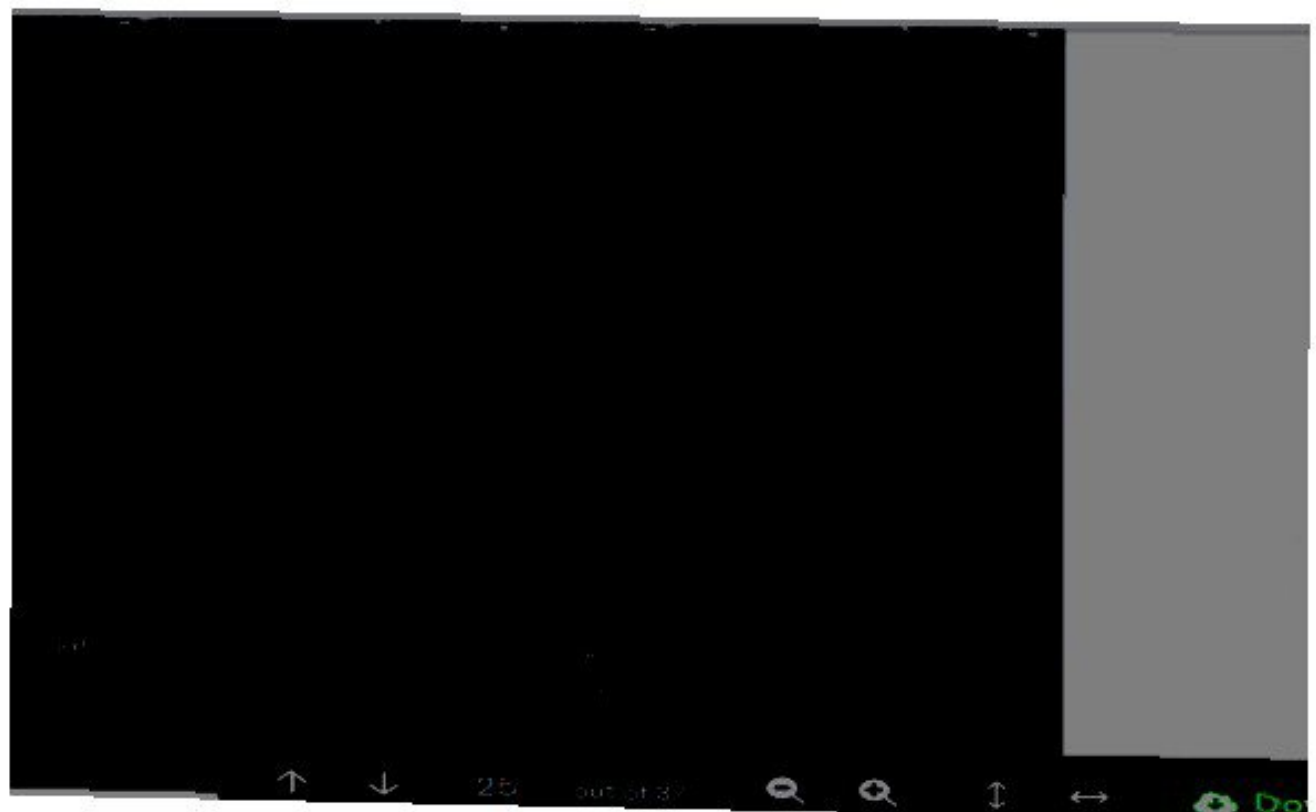
Code: -
Index.css
```
body {
background-color: #1E90FF;
background-image:linear-gradient(to bottom, #00BFFF 0%,
#1E90FF 51%);
}
```

Step 4: - To build the CALCULATOR App.
cordova build android

Step 5: - To run the CALCULATOR App.
Cordova run android

OUTPUT:-

PRACTICAL NO:- 4

Aim: Create the Mobile app for Currency & Temperature Convertor using Cordova Environment.

Steps to create CONVERTOR Application.

Step 1: - To create CONVERTOR Application.
cordova create converter cordova.io.converter CONVERTER APP

Step 2: - To add Android/Browser platform.
cordova platform add android

Step 3: - Add required code in respective HTML/JS file.

Code: - Index.html
```
<html>
<head>
<title>ConverterApp</title>
</head>
<body>
<div class="app">
<h1>Apache Cordova</h1>
<h2>CONVERTER APP</h2>
ENTER INR:<input type=text id='p'><br>
<button id='a'>$</button> 
<button id='b'>SHEKEL</button> 
<button id='c'>EURO</button> 
<button id='d'>DIRHAM</button> <br>
ENTER FAHRENHIET:<input type=text id='q'><br>
<button id='e'>°C</button> 
</div>
</body>
</html>
```

Code: - Index.JS
```
document.addEventListener('deviceready', onDeviceReady, false);
function onDeviceReady() {
// Cordova is now initialized. Have fun!
document.getElementById("a").addEventListener("click",A);
document.getElementById("b").addEventListener("click",A1);
document.getElementById("c").addEventListener("click",A2);
document.getElementById("d").addEventListener("click",A3);
document.getElementById("e").addEventListener("click",A4);
console.log('Running cordova-' + cordova.platformId + '@' +
```
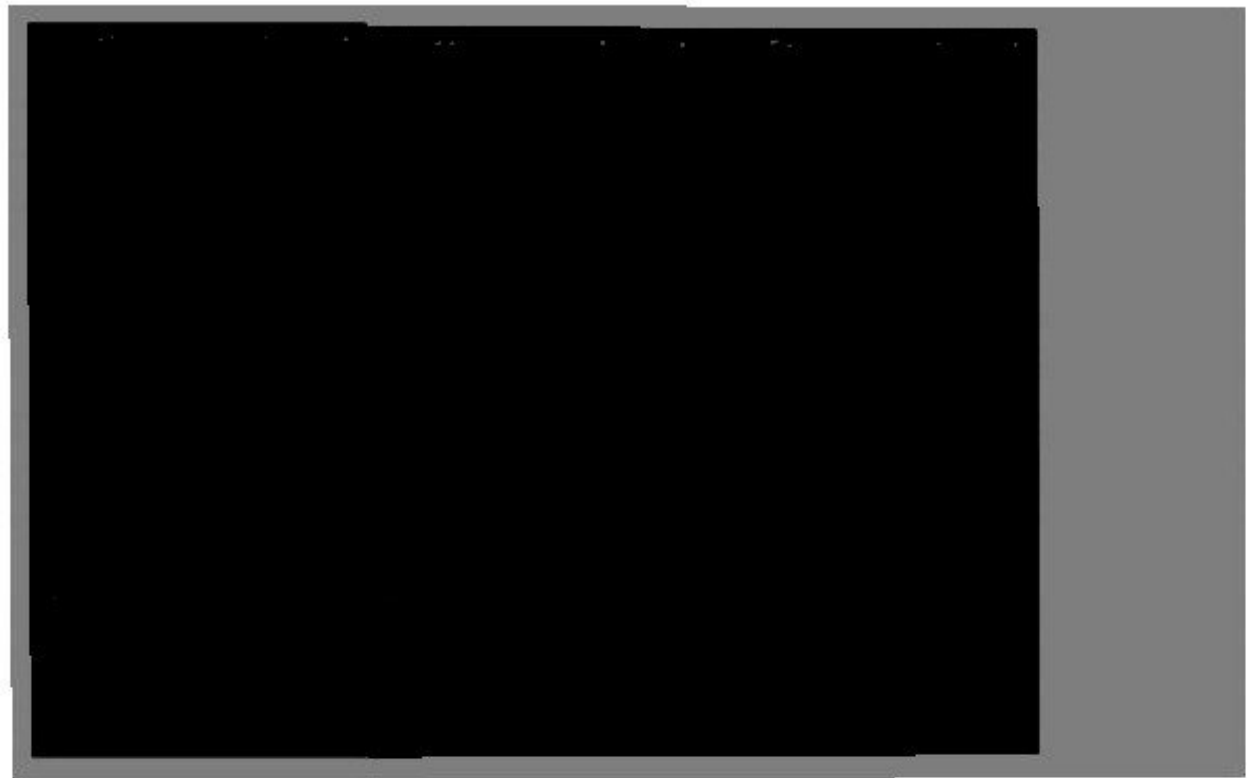
```
cordova.version);
document.getElementById('deviceready').classList.add('ready');
}
function A0 ( ){
var a = parseInt(document.getElementById('p').value);
var b = a/74.30;
alert("USD=" + b);
document.writeln("USD"+b);
}
unction A1() {
var a = parseInt(document.getElementById('p').value);
var b = a/0.043;
alert("SHEKEL=" + b);
document.writeln("SHEKEL="+b);
}
function A2() {
var a = parseInt(document.getElementById('p').value);
var b = a/87.20
alert("EURO=" + b);
document.writeln("EURO="+b);
}
function A3(){
var a= parseInt(document.getElementById('p').value);
var b=a/20.22;
alert("DIRHAM=" + b);
document.writeln("DIRHAM="+b);
}

alert("DIRHAM=" + b);
document.writeln("DIRHAM="+b);
}
function A4() {
var a = parseInt(document.getElementById('q').value);
var b = (a-32)*5/9;
alert("°C=" + b);
document.writeln("°C="+b);
}
Step 4: - To build the CONVERTOR App.
cordova build android
Step 5: - To run the CONVERTOR App.
Cordova run android
```

OUTPUT:-

OUTPUT:-

2

AIM: creating and building simple "GRADECARD" App using Cordova.

Step to create GradeCard Application

Step1:- To create Grade_Card application.

Cordova create result grade_carde.io.result Grade_Cardapp

Step2:- To add Android /Browser platform.

Cordova platform add android

Step3:- Add required code in respective HTML/JS file.

Code:-

Index.html

<html>

```html
<head>
<title>GadeCard</title>
</head>
<body>
    <div class ="app"<center>
    <h1>Apache cordova </h1>
<div id="diviceready" class="blink">
    <p class="event listenting">Connnecting to Device</p>
    <p class="event received">Device is Ready</p>
    </div><center>
<h2></h2>
<h3><h3>
    <div>
<center><table style="width:60%"border="1px solid black">
    <tr>
```

```
<td>

<img src =https://www.anandibai
college.ac.in/wp-content/uploads/logo.png
alt="anandibai" width="100"
height="100"><td>

                <td><left>anandibai
damodar kale college BSCIT,BMS &BCOM

<br> saibaba nagar borivali west mumbai -
400092</left>

                <center>ISO 9001:2022
certified</center>

</td>

</tr>

</table>

<table style="width:60/% border="2px solid
black">

</tr>

<tr>

    <td>
```

```
        Roll NO:-02
    </td>
    <td>
        PRN NO:- 1234567890987654
    </td>
    <td>
        Student name:-DUBEYPAYAL
    </td>
    <td>.
        Class:-FY.BSC.I.T.:SEM III
</td>
<td>
    <img src="C:\Users\dubey payal
desktop\IMG-20200725-WA0008.jpg"
alt=""width=100"height="95">
        </td
        <td>
</table>
```

```html
<table style="width:60%"border="2px solid
black">
      </tr>
      <td>
          SUNJECT
      </td>
      <td>
        INTERNAL<br><center>25</center
      </td>
      <td>
        EXTERNAL <br><center>75</center>
      </td>
    <td>
        PRACTICAL<br><center>50</center>
</td>
<td>
    OVERALL<br><center>150</center>
</td>
```

```
        GAP
</td>
<td>
        GRADE
</td>
    <tr>
<tr>
<td>
        OOPS
</td>
<td>
    18
</td>
<td>
        50
</td>
```

```
<td>

35

</td>

<td>

103

</td>

<td>

9.10

</td>

<td>

    A+

</td>

</tr><tr>

<td>

    AM

</td>

<td>
```

21

</td>

<td>

45

</td>

<td>

126

</td>

<td>

45

</td>

<td>

9.10

</td>

<td>

A+

</td>

```
</tr><tr>

    WP

</td>

<td>

  45

</td>

<td>

  23

</td>

<td>

  123

</td>

<td>

   9.10

</td>

<td>

  A+
```

```html
</td>
</tr>
<table style="width:60% border="2px solid black">
    <td><p style="text-align:left;>result</p></td>
    <td><p style="text-align:center;>result</p></td>
</div>
</table>
</center>
    </div>
        <script src="cordova .js"></script>
        <script src="js.index.js"></script>
  </body>
</html>
```

Code:-

Index.css

Body (

Background-color=1E90FF

Background-image:linear-gradient(to bottom,=00BFFF 30%,

=1E90FF 70%);

h1 {

   font-size:24px;

   font-weigth:bold;

   color=000000

   margin:0px;

   text-align:center;

}

Step4 :- To build the GradeCard App.

Cordova build android

```css
h1 {
    font-size:24px;
    font-weigth:bold;
    color=000000
    margin:0px;
    text-align:center;
}
```

Step4 :- To build the GradeCard App.

Cordova build android

Step5:- To run the GradeCard App

Cordova run android

OUTPUT:-