

# Program : Import Excel and Display Data

## Step 1: index.html

```
<!doctype html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Importexcel</title>
<base href="/">
<link type="text/css" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css" />
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="icon" type="image/x-icon" href="favicon.ico">
</head>
<body>
<app-root></app-root>
</body>
</html>
```

## Step 2: app.component.html

```
<div class='container-fluid'>
  <div class='row'>
    <div class='col-sm-9 body-content'>
      <br/>
      <h3>Import Excel and Display Data</h3>
      <br/>
      <h2>make sure the fields are same</h2>    <br />

      <table class='table' width="100%">
        <tr><td>Select Excel File:</td><td align="left"><input #file type="file" multiple
(change)="onFileChange($event)" /></td>
          <td></td><td align="left"><button type="button" class="btn dark btn-outline"
style="border:2px solid green"
(click)="uploadfile()">
            Upload
          </button></td></tr>
```

```
</table>
<table class='table' *ngIf="excelData">
  <thead>
    <tr>
      <th>Id</th>
      <th>Name</th>
      <th>Email</th>
      <th>Mobile</th>
    </tr>
  </thead>
  <tbody>
    <tr *ngFor="let d of excelData">
      <td>{{ d.Id }}</td>
      <td>{{ d.Name }}</td>
      <td>{{ d.Email }}</td>
      <td>{{ d.Mobile }}</td>
    </tr>
  </tbody>
</table>
</div>
</div>
</div>
```

### Step 3: app.component.spec.ts

```
import { TestBed, async } from '@angular/core/testing';
import { AppComponent } from './app.component';

describe('AppComponent', () => {
  beforeEach(async(() => {
    TestBed.configureTestingModule({
      declarations: [
        AppComponent
      ],
    }).compileComponents();
  }));

  it('should create the app', () => {
    const fixture = TestBed.createComponent(AppComponent);
    const app = fixture.debugElement.componentInstance;
    expect(app).toBeTruthy();
  });
});
```

```
});
```

```
it(`should have as title 'importexcel`, () => {  
  const fixture = TestBed.createComponent(AppComponent);  
  const app = fixture.debugElement.componentInstance;  
  expect(app.title).toEqual('importexcel');  
});
```

```
it('should render title in a h1 tag', () => {  
  const fixture = TestBed.createComponent(AppComponent);  
  fixture.detectChanges();  
  const compiled = fixture.debugElement.nativeElement;  
  expect(compiled.querySelector('h1').textContent).toContain('Welcome to importexcel!');  
});  
});
```

#### Step 4: app.component.ts

```
import { Component } from '@angular/core';  
import { HttpClient, HttpRequest, HttpEventType, HttpResponse } from  
'@angular/common/http'  
import * as XLSX from 'xlsx';  
@Component({  
  selector: 'app-root',  
  templateUrl: './app.component.html',  
  styleUrls: ['./app.component.css']  
})  
export class AppComponent {  
  title = 'app';  
  public progress: number;  
  public message: string;  
  public excelData: ExcelData[];  
  constructor(private http: HttpClient) { }  
  data = [];  
  onFileChange(evt: any) {  
    //debugger  
    /* wire up file reader */  
    const target: DataTransfer = <DataTransfer>(evt.target);  
    if (target.files.length == 1) {  
      const reader: FileReader = new FileReader();  
      reader.onload = (e: any) => {
```

```
    /* read workbook */
    const bstr: string = e.target.result;
    const wb: XLSX.WorkBook = XLSX.read(bstr, { type: 'binary' });
    console.log(wb);
    /* grab first sheet */
    const wsname: string = wb.SheetNames[0];
    const ws: XLSX.WorkSheet = wb.Sheets[wsname];
    /* save data */
    this.data = <any>(XLSX.utils.sheet_to_json(ws, { header: 1 }));
  };
  reader.readAsBinaryString(target.files[0]);
}
}
```

```
uploadfile() {
  let keys = this.data.shift();
  let resArr = this.data.map((e) => {
    let obj = {};
    keys.forEach((key, i) => {
      obj[key] = e[i];
    });
    return obj;
  });
  //console.log(resArr);
  //resArr.forEach(function (value) {
  // console.log(value);
  //})
  this.excelData = resArr;
}
}
interface ExcelData {
  [index: number]: { Id: number; Name: string; Email: string; Mobile: string };
}
```

### Step 5 : app.module.ts

```
import { BrowserModule } from '@angular/platform-browser';
import { NgModule } from '@angular/core';
import { FormsModule } from '@angular/forms';
import { HttpClientModule } from '@angular/common/http';
import { AppComponent } from './app.component';
```

```
@NgModule({
  declarations: [
    AppComponent
  ],
  imports: [
    BrowserModule.withServerTransition({ appId: 'ng-cli-universal' }),
    HttpClientModule,
    FormsModule
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

## output:

Import Excel and Display Data

make sure the fields are same

Select Excel File:

Choose Files Book1.xlsx

Upload

Id	Name	Email	Mobile
1	Ravi	Ravi@teja	9844040436
2	vinay	vinay@kumar	823989239