Custom Pipe Exercise Solution

Create sort.pipe.ts

import { Pipe, PipeTransform } from '@angular/core';

@Pipe({

  name: 'sort',

})

export class SortPipe implements PipeTransform {

  transform(value: any[], args?: string): any[] {

    if (args === 'prodName') {

      return value.sort((a: any, b: any) => {

        if (a.productName < b.productName) {

          return -1;

        } else if (a.productName > b.productName) {

          return 1;

        } else {

          return 0;

        }

      });

    } else if (args === 'price') {

      return value.sort((a: any, b: any) => {

        if (a.price < b.price) {

          return -1;

        } else if (a.price > b.price) {

          return 1;

        } else {

          return 0;

        }

      });

    }

    return value;

  }

}

App.Module.ts

import { NgModule } from '@angular/core';

import { BrowserModule } from '@angular/platform-browser';

import { FormsModule } from '@angular/forms';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { MyTitlePipe } from './my-title.pipe';

import { SortPipe } from './sort.pipe';

//import {registerLocaleData} from '@angular/common';

//import localeFrench from '@angular/common/locales/fr';

//registerLocaleData(localeFrench)

@NgModule({

  declarations: [

    AppComponent,

    MyTitlePipe ,SortPipe

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    FormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

import { Component } from '@angular/core';

import  {NgForm} from '@angular/forms';

@Component({

  selector: 'app-root',

 templateUrl: './app.component.html',

  styleUrls: ['./app.component.css']

})

export class AppComponent {

sortoption: string = "";

  productsList: any = [

    { productName: 'Samsung J7', price: 18000 },

    { productName: 'Apple iPhone 6S', price: 60000 },

    { productName: 'Lenovo K5 Note', price: 10000 },

    { productName: 'Nokia 6', price: 15000 },

    { productName: 'Vivo V5 Plus', price: 26000 }

  ];

}

App.component.html

<h2>Sorting Products list using custom pipe</h2>

Sort the list based on

<select [(ngModel)]="sortoption">

  <option value="prodName">Product Name</option>

  <option value="price">Price</option></select><br /><br />

<table border="1">

  <thead>

    <tr>

      <th>Product Name</th>

      <th>Price</th>

    </tr>

  </thead>

  <tbody>

    <tr \*ngFor="let products of productsList | sort: sortoption">

      <td>{{ products.productName }}</td>

      <td>{{ products.price }}</td>

    </tr>

  </tbody>

</table>