Solving problems using array functions on rest countries data.

1. Get all the countries from Asia continent /region using Filter function

Ans:

Filter.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src = "filter.js"></script>

</body>

</html>

Filter.js

var req = new XMLHttpRequest();

req.open('GET','https://restcountries.com/v2/all',true);

req.send();

req.onload=function(){

    var result= JSON.parse(req.response);

    var r= result.filter((ele)=> ele.region == "Asia");

    for(var i =0; i<r.length; i++){

        console.log(r[i].name);

    }

}

Output:



Table

Description automatically generated

1. Get all the countries with a population of less than 2 lakhs using Filter function

Ans:

Filter.html

Text

Description automatically generated

Filter.JS

A screenshot of a computer

Description automatically generated with medium confidence

Output:

Graphical user interface, application

Description automatically generated with medium confidence

Graphical user interface, table

Description automatically generated with medium confidence

Chart

Description automatically generated

1. Print the following details name, capital, flag using forEach function

Filter.js

var req = new XMLHttpRequest();

req.open('GET','https://restcountries.com/v2/all',true);

req.send();

req.onload=function(){

    var result= JSON.parse(req.response);

    result.forEach(element => {

        console.log("name:"+element.name+" "+"capital:"+element.capital+" "+"Flag:"+element.flag);

    });

}

Filter.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src = "filter.js"></script>

</body>

</html>

Output:

name:Afghanistan capital:Kabul Flag:https://upload.wikimedia.org/wikipedia/commons/5/5c/Flag\_of\_the\_Taliban.svg

filter.js:7 name:Åland Islands capital:Mariehamn Flag:https://flagcdn.com/ax.svg

filter.js:7 name:Albania capital:Tirana Flag:https://flagcdn.com/al.svg

filter.js:7 name:Algeria capital:Algiers Flag:https://flagcdn.com/dz.svg

filter.js:7 name:American Samoa capital:Pago Pago Flag:https://flagcdn.com/as.svg

filter.js:7 name:Andorra capital:Andorra la Vella Flag:https://flagcdn.com/ad.svg

filter.js:7 name:Angola capital:Luanda Flag:https://flagcdn.com/ao.svg

filter.js:7 name:Anguilla capital:The Valley Flag:https://flagcdn.com/ai.svg

filter.js:7 name:Antarctica capital:undefined Flag:https://flagcdn.com/aq.svg

filter.js:7 name:Antigua and Barbuda capital:Saint John's Flag:https://flagcdn.com/ag.svg

filter.js:7 name:Argentina capital:Buenos Aires Flag:https://flagcdn.com/ar.svg

filter.js:7 name:Armenia capital:Yerevan Flag:https://flagcdn.com/am.svg

filter.js:7 name:Aruba capital:Oranjestad Flag:https://flagcdn.com/aw.svg

filter.js:7 name:Australia capital:Canberra Flag:https://flagcdn.com/au.svg

filter.js:7 name:Austria capital:Vienna Flag:https://flagcdn.com/at.svg

filter.js:7 name:Azerbaijan capital:Baku Flag:https://flagcdn.com/az.svg

filter.js:7 name:Bahamas capital:Nassau Flag:https://flagcdn.com/bs.svg

filter.js:7 name:Bahrain capital:Manama Flag:https://flagcdn.com/bh.svg

filter.js:7 name:Bangladesh capital:Dhaka Flag:https://flagcdn.com/bd.svg

filter.js:7 name:Barbados capital:Bridgetown Flag:https://flagcdn.com/bb.svg

filter.js:7 name:Belarus capital:Minsk Flag:https://flagcdn.com/by.svg

filter.js:7 name:Belgium capital:Brussels Flag:https://flagcdn.com/be.svg

filter.js:7 name:Belize capital:Belmopan Flag:https://flagcdn.com/bz.svg

filter.js:7 name:Benin capital:Porto-Novo Flag:https://flagcdn.com/bj.svg

filter.js:7 name:Bermuda capital:Hamilton Flag:https://flagcdn.com/bm.svg

filter.js:7 name:Bhutan capital:Thimphu Flag:https://flagcdn.com/bt.svg

filter.js:7 name:Bolivia (Plurinational State of) capital:Sucre Flag:https://flagcdn.com/bo.svg

filter.js:7 name:Bonaire, Sint Eustatius and Saba capital:Kralendijk Flag:https://flagcdn.com/bq.svg

filter.js:7 name:Bosnia and Herzegovina capital:Sarajevo Flag:https://flagcdn.com/ba.svg

filter.js:7 name:Botswana capital:Gaborone Flag:https://flagcdn.com/bw.svg

filter.js:7 name:Bouvet Island capital:undefined Flag:https://flagcdn.com/bv.svg

filter.js:7 name:Brazil capital:Brasília Flag:https://flagcdn.com/br.svg

filter.js:7 name:British Indian Ocean Territory capital:Diego Garcia Flag:https://flagcdn.com/io.svg

filter.js:7 name:United States Minor Outlying Islands capital:undefined Flag:https://flagcdn.com/um.svg

filter.js:7 name:Virgin Islands (British) capital:Road Town Flag:https://flagcdn.com/vg.svg

filter.js:7 name:Virgin Islands (U.S.) capital:Charlotte Amalie Flag:https://flagcdn.com/vi.svg

filter.js:7 name:Brunei Darussalam capital:Bandar Seri Begawan Flag:https://flagcdn.com/bn.svg

filter.js:7 name:Bulgaria capital:Sofia Flag:https://flagcdn.com/bg.svg

filter.js:7 name:Burkina Faso capital:Ouagadougou Flag:https://flagcdn.com/bf.svg

filter.js:7 name:Burundi capital:Gitega Flag:https://flagcdn.com/bi.svg

filter.js:7 name:Cambodia capital:Phnom Penh Flag:https://flagcdn.com/kh.svg

filter.js:7 name:Cameroon capital:Yaoundé Flag:https://flagcdn.com/cm.svg

filter.js:7 name:Canada capital:Ottawa Flag:https://flagcdn.com/ca.svg

filter.js:7 name:Cabo Verde capital:Praia Flag:https://flagcdn.com/cv.svg

filter.js:7 name:Cayman Islands capital:George Town Flag:https://flagcdn.com/ky.svg

filter.js:7 name:Central African Republic capital:Bangui Flag:https://flagcdn.com/cf.svg

filter.js:7 name:Chad capital:N'Djamena Flag:https://flagcdn.com/td.svg

filter.js:7 name:Chile capital:Santiago Flag:https://flagcdn.com/cl.svg

filter.js:7 name:China capital:Beijing Flag:https://flagcdn.com/cn.svg

filter.js:7 name:Christmas Island capital:Flying Fish Cove Flag:https://flagcdn.com/cx.svg

filter.js:7 name:Cocos (Keeling) Islands capital:West Island Flag:https://flagcdn.com/cc.svg

filter.js:7 name:Colombia capital:Bogotá Flag:https://flagcdn.com/co.svg

filter.js:7 name:Comoros capital:Moroni Flag:https://flagcdn.com/km.svg

filter.js:7 name:Congo capital:Brazzaville Flag:https://flagcdn.com/cg.svg

filter.js:7 name:Congo (Democratic Republic of the) capital:Kinshasa Flag:https://flagcdn.com/cd.svg

filter.js:7 name:Cook Islands capital:Avarua Flag:https://flagcdn.com/ck.svg

filter.js:7 name:Costa Rica capital:San José Flag:https://flagcdn.com/cr.svg

filter.js:7 name:Croatia capital:Zagreb Flag:https://flagcdn.com/hr.svg

filter.js:7 name:Cuba capital:Havana Flag:https://flagcdn.com/cu.svg

filter.js:7 name:Curaçao capital:Willemstad Flag:https://flagcdn.com/cw.svg

filter.js:7 name:Cyprus capital:Nicosia Flag:https://flagcdn.com/cy.svg

filter.js:7 name:Czech Republic capital:Prague Flag:https://flagcdn.com/cz.svg

filter.js:7 name:Denmark capital:Copenhagen Flag:https://flagcdn.com/dk.svg

filter.js:7 name:Djibouti capital:Djibouti Flag:https://flagcdn.com/dj.svg

filter.js:7 name:Dominica capital:Roseau Flag:https://flagcdn.com/dm.svg

filter.js:7 name:Dominican Republic capital:Santo Domingo Flag:https://flagcdn.com/do.svg

filter.js:7 name:Ecuador capital:Quito Flag:https://flagcdn.com/ec.svg

filter.js:7 name:Egypt capital:Cairo Flag:https://flagcdn.com/eg.svg

filter.js:7 name:El Salvador capital:San Salvador Flag:https://flagcdn.com/sv.svg

filter.js:7 name:Equatorial Guinea capital:Malabo Flag:https://flagcdn.com/gq.svg

filter.js:7 name:Eritrea capital:Asmara Flag:https://flagcdn.com/er.svg

filter.js:7 name:Estonia capital:Tallinn Flag:https://flagcdn.com/ee.svg

filter.js:7 name:Ethiopia capital:Addis Ababa Flag:https://flagcdn.com/et.svg

filter.js:7 name:Falkland Islands (Malvinas) capital:Stanley Flag:https://flagcdn.com/fk.svg

filter.js:7 name:Faroe Islands capital:Tórshavn Flag:https://flagcdn.com/fo.svg

filter.js:7 name:Fiji capital:Suva Flag:https://flagcdn.com/fj.svg

filter.js:7 name:Finland capital:Helsinki Flag:https://flagcdn.com/fi.svg

filter.js:7 name:France capital:Paris Flag:https://flagcdn.com/fr.svg

filter.js:7 name:French Guiana capital:Cayenne Flag:https://flagcdn.com/gf.svg

filter.js:7 name:French Polynesia capital:Papeetē Flag:https://flagcdn.com/pf.svg

filter.js:7 name:French Southern Territories capital:Port-aux-Français Flag:https://flagcdn.com/tf.svg

filter.js:7 name:Gabon capital:Libreville Flag:https://flagcdn.com/ga.svg

filter.js:7 name:Gambia capital:Banjul Flag:https://flagcdn.com/gm.svg

filter.js:7 name:Georgia capital:Tbilisi Flag:https://flagcdn.com/ge.svg

filter.js:7 name:Germany capital:Berlin Flag:https://flagcdn.com/de.svg

filter.js:7 name:Ghana capital:Accra Flag:https://flagcdn.com/gh.svg

filter.js:7 name:Gibraltar capital:Gibraltar Flag:https://flagcdn.com/gi.svg

filter.js:7 name:Greece capital:Athens Flag:https://flagcdn.com/gr.svg

filter.js:7 name:Greenland capital:Nuuk Flag:https://flagcdn.com/gl.svg

filter.js:7 name:Grenada capital:St. George's Flag:https://flagcdn.com/gd.svg

filter.js:7 name:Guadeloupe capital:Basse-Terre Flag:https://flagcdn.com/gp.svg

filter.js:7 name:Guam capital:Hagåtña Flag:https://flagcdn.com/gu.svg

filter.js:7 name:Guatemala capital:Guatemala City Flag:https://flagcdn.com/gt.svg

filter.js:7 name:Guernsey capital:St. Peter Port Flag:https://flagcdn.com/gg.svg

filter.js:7 name:Guinea capital:Conakry Flag:https://flagcdn.com/gn.svg

filter.js:7 name:Guinea-Bissau capital:Bissau Flag:https://flagcdn.com/gw.svg

filter.js:7 name:Guyana capital:Georgetown Flag:https://flagcdn.com/gy.svg

filter.js:7 name:Haiti capital:Port-au-Prince Flag:https://flagcdn.com/ht.svg

filter.js:7 name:Heard Island and McDonald Islands capital:undefined Flag:https://flagcdn.com/hm.svg

filter.js:7 name:Vatican City capital:Vatican City Flag:https://flagcdn.com/va.svg

filter.js:7 name:Honduras capital:Tegucigalpa Flag:https://flagcdn.com/hn.svg

filter.js:7 name:Hungary capital:Budapest Flag:https://flagcdn.com/hu.svg

filter.js:7 name:Hong Kong capital:City of Victoria Flag:https://flagcdn.com/hk.svg

filter.js:7 name:Iceland capital:Reykjavík Flag:https://flagcdn.com/is.svg

filter.js:7 name:India capital:New Delhi Flag:https://flagcdn.com/in.svg

filter.js:7 name:Indonesia capital:Jakarta Flag:https://flagcdn.com/id.svg

filter.js:7 name:Ivory Coast capital:Yamoussoukro Flag:https://flagcdn.com/ci.svg

filter.js:7 name:Iran (Islamic Republic of) capital:Tehran Flag:https://flagcdn.com/ir.svg

filter.js:7 name:Iraq capital:Baghdad Flag:https://flagcdn.com/iq.svg

filter.js:7 name:Ireland capital:Dublin Flag:https://flagcdn.com/ie.svg

filter.js:7 name:Isle of Man capital:Douglas Flag:https://flagcdn.com/im.svg

filter.js:7 name:Israel capital:Jerusalem Flag:https://flagcdn.com/il.svg

filter.js:7 name:Italy capital:Rome Flag:https://flagcdn.com/it.svg

filter.js:7 name:Jamaica capital:Kingston Flag:https://flagcdn.com/jm.svg

filter.js:7 name:Japan capital:Tokyo Flag:https://flagcdn.com/jp.svg

filter.js:7 name:Jersey capital:Saint Helier Flag:https://flagcdn.com/je.svg

filter.js:7 name:Jordan capital:Amman Flag:https://flagcdn.com/jo.svg

filter.js:7 name:Kazakhstan capital:Nur-Sultan Flag:https://flagcdn.com/kz.svg

filter.js:7 name:Kenya capital:Nairobi Flag:https://flagcdn.com/ke.svg

filter.js:7 name:Kiribati capital:South Tarawa Flag:https://flagcdn.com/ki.svg

filter.js:7 name:Kuwait capital:Kuwait City Flag:https://flagcdn.com/kw.svg

filter.js:7 name:Kyrgyzstan capital:Bishkek Flag:https://flagcdn.com/kg.svg

filter.js:7 name:Lao People's Democratic Republic capital:Vientiane Flag:https://flagcdn.com/la.svg

filter.js:7 name:Latvia capital:Riga Flag:https://flagcdn.com/lv.svg

filter.js:7 name:Lebanon capital:Beirut Flag:https://flagcdn.com/lb.svg

filter.js:7 name:Lesotho capital:Maseru Flag:https://flagcdn.com/ls.svg

filter.js:7 name:Liberia capital:Monrovia Flag:https://flagcdn.com/lr.svg

filter.js:7 name:Libya capital:Tripoli Flag:https://flagcdn.com/ly.svg

filter.js:7 name:Liechtenstein capital:Vaduz Flag:https://flagcdn.com/li.svg

filter.js:7 name:Lithuania capital:Vilnius Flag:https://flagcdn.com/lt.svg

filter.js:7 name:Luxembourg capital:Luxembourg Flag:https://flagcdn.com/lu.svg

filter.js:7 name:Macao capital:undefined Flag:https://flagcdn.com/mo.svg

filter.js:7 name:North Macedonia capital:Skopje Flag:https://flagcdn.com/mk.svg

filter.js:7 name:Madagascar capital:Antananarivo Flag:https://flagcdn.com/mg.svg

filter.js:7 name:Malawi capital:Lilongwe Flag:https://flagcdn.com/mw.svg

filter.js:7 name:Malaysia capital:Kuala Lumpur Flag:https://flagcdn.com/my.svg

filter.js:7 name:Maldives capital:Malé Flag:https://flagcdn.com/mv.svg

filter.js:7 name:Mali capital:Bamako Flag:https://flagcdn.com/ml.svg

filter.js:7 name:Malta capital:Valletta Flag:https://flagcdn.com/mt.svg

filter.js:7 name:Marshall Islands capital:Majuro Flag:https://flagcdn.com/mh.svg

filter.js:7 name:Martinique capital:Fort-de-France Flag:https://flagcdn.com/mq.svg

filter.js:7 name:Mauritania capital:Nouakchott Flag:https://flagcdn.com/mr.svg

filter.js:7 name:Mauritius capital:Port Louis Flag:https://flagcdn.com/mu.svg

filter.js:7 name:Mayotte capital:Mamoudzou Flag:https://flagcdn.com/yt.svg

filter.js:7 name:Mexico capital:Mexico City Flag:https://flagcdn.com/mx.svg

filter.js:7 name:Micronesia (Federated States of) capital:Palikir Flag:https://flagcdn.com/fm.svg

filter.js:7 name:Moldova (Republic of) capital:Chișinău Flag:https://flagcdn.com/md.svg

filter.js:7 name:Monaco capital:Monaco Flag:https://flagcdn.com/mc.svg

filter.js:7 name:Mongolia capital:Ulan Bator Flag:https://flagcdn.com/mn.svg

filter.js:7 name:Montenegro capital:Podgorica Flag:https://flagcdn.com/me.svg

filter.js:7 name:Montserrat capital:Plymouth Flag:https://flagcdn.com/ms.svg

filter.js:7 name:Morocco capital:Rabat Flag:https://flagcdn.com/ma.svg

filter.js:7 name:Mozambique capital:Maputo Flag:https://flagcdn.com/mz.svg

filter.js:7 name:Myanmar capital:Naypyidaw Flag:https://flagcdn.com/mm.svg

filter.js:7 name:Namibia capital:Windhoek Flag:https://flagcdn.com/na.svg

filter.js:7 name:Nauru capital:Yaren Flag:https://flagcdn.com/nr.svg

filter.js:7 name:Nepal capital:Kathmandu Flag:https://flagcdn.com/np.svg

filter.js:7 name:Netherlands capital:Amsterdam Flag:https://flagcdn.com/nl.svg

filter.js:7 name:New Caledonia capital:Nouméa Flag:https://flagcdn.com/nc.svg

filter.js:7 name:New Zealand capital:Wellington Flag:https://flagcdn.com/nz.svg

filter.js:7 name:Nicaragua capital:Managua Flag:https://flagcdn.com/ni.svg

filter.js:7 name:Niger capital:Niamey Flag:https://flagcdn.com/ne.svg

filter.js:7 name:Nigeria capital:Abuja Flag:https://flagcdn.com/ng.svg

filter.js:7 name:Niue capital:Alofi Flag:https://flagcdn.com/nu.svg

filter.js:7 name:Norfolk Island capital:Kingston Flag:https://flagcdn.com/nf.svg

filter.js:7 name:Korea (Democratic People's Republic of) capital:Pyongyang Flag:https://flagcdn.com/kp.svg

filter.js:7 name:Northern Mariana Islands capital:Saipan Flag:https://flagcdn.com/mp.svg

filter.js:7 name:Norway capital:Oslo Flag:https://flagcdn.com/no.svg

filter.js:7 name:Oman capital:Muscat Flag:https://flagcdn.com/om.svg

filter.js:7 name:Pakistan capital:Islamabad Flag:https://flagcdn.com/pk.svg

filter.js:7 name:Palau capital:Ngerulmud Flag:https://flagcdn.com/pw.svg

filter.js:7 name:Palestine, State of capital:Ramallah Flag:https://flagcdn.com/ps.svg

filter.js:7 name:Panama capital:Panama City Flag:https://flagcdn.com/pa.svg

filter.js:7 name:Papua New Guinea capital:Port Moresby Flag:https://flagcdn.com/pg.svg

filter.js:7 name:Paraguay capital:Asunción Flag:https://flagcdn.com/py.svg

filter.js:7 name:Peru capital:Lima Flag:https://flagcdn.com/pe.svg

filter.js:7 name:Philippines capital:Manila Flag:https://flagcdn.com/ph.svg

filter.js:7 name:Pitcairn capital:Adamstown Flag:https://flagcdn.com/pn.svg

filter.js:7 name:Poland capital:Warsaw Flag:https://flagcdn.com/pl.svg

filter.js:7 name:Portugal capital:Lisbon Flag:https://flagcdn.com/pt.svg

filter.js:7 name:Puerto Rico capital:San Juan Flag:https://flagcdn.com/pr.svg

filter.js:7 name:Qatar capital:Doha Flag:https://flagcdn.com/qa.svg

filter.js:7 name:Republic of Kosovo capital:Pristina Flag:https://flagcdn.com/xk.svg

filter.js:7 name:Réunion capital:Saint-Denis Flag:https://flagcdn.com/re.svg

filter.js:7 name:Romania capital:Bucharest Flag:https://flagcdn.com/ro.svg

filter.js:7 name:Russian Federation capital:Moscow Flag:https://flagcdn.com/ru.svg

filter.js:7 name:Rwanda capital:Kigali Flag:https://flagcdn.com/rw.svg

filter.js:7 name:Saint Barthélemy capital:Gustavia Flag:https://flagcdn.com/bl.svg

filter.js:7 name:Saint Helena, Ascension and Tristan da Cunha capital:Jamestown Flag:https://flagcdn.com/sh.svg

filter.js:7 name:Saint Kitts and Nevis capital:Basseterre Flag:https://flagcdn.com/kn.svg

filter.js:7 name:Saint Lucia capital:Castries Flag:https://flagcdn.com/lc.svg

filter.js:7 name:Saint Martin (French part) capital:Marigot Flag:https://flagcdn.com/mf.svg

filter.js:7 name:Saint Pierre and Miquelon capital:Saint-Pierre Flag:https://flagcdn.com/pm.svg

filter.js:7 name:Saint Vincent and the Grenadines capital:Kingstown Flag:https://flagcdn.com/vc.svg

filter.js:7 name:Samoa capital:Apia Flag:https://flagcdn.com/ws.svg

filter.js:7 name:San Marino capital:City of San Marino Flag:https://flagcdn.com/sm.svg

filter.js:7 name:Sao Tome and Principe capital:São Tomé Flag:https://flagcdn.com/st.svg

filter.js:7 name:Saudi Arabia capital:Riyadh Flag:https://flagcdn.com/sa.svg

filter.js:7 name:Senegal capital:Dakar Flag:https://flagcdn.com/sn.svg

filter.js:7 name:Serbia capital:Belgrade Flag:https://flagcdn.com/rs.svg

filter.js:7 name:Seychelles capital:Victoria Flag:https://flagcdn.com/sc.svg

filter.js:7 name:Sierra Leone capital:Freetown Flag:https://flagcdn.com/sl.svg

filter.js:7 name:Singapore capital:Singapore Flag:https://flagcdn.com/sg.svg

filter.js:7 name:Sint Maarten (Dutch part) capital:Philipsburg Flag:https://flagcdn.com/sx.svg

filter.js:7 name:Slovakia capital:Bratislava Flag:https://flagcdn.com/sk.svg

filter.js:7 name:Slovenia capital:Ljubljana Flag:https://flagcdn.com/si.svg

filter.js:7 name:Solomon Islands capital:Honiara Flag:https://flagcdn.com/sb.svg

filter.js:7 name:Somalia capital:Mogadishu Flag:https://flagcdn.com/so.svg

filter.js:7 name:South Africa capital:Pretoria Flag:https://flagcdn.com/za.svg

filter.js:7 name:South Georgia and the South Sandwich Islands capital:King Edward Point Flag:https://flagcdn.com/gs.svg

filter.js:7 name:Korea (Republic of) capital:Seoul Flag:https://flagcdn.com/kr.svg

filter.js:7 name:Spain capital:Madrid Flag:https://flagcdn.com/es.svg

filter.js:7 name:Sri Lanka capital:Sri Jayawardenepura Kotte Flag:https://flagcdn.com/lk.svg

filter.js:7 name:Sudan capital:Khartoum Flag:https://flagcdn.com/sd.svg

filter.js:7 name:South Sudan capital:Juba Flag:https://flagcdn.com/ss.svg

filter.js:7 name:Suriname capital:Paramaribo Flag:https://flagcdn.com/sr.svg

filter.js:7 name:Svalbard and Jan Mayen capital:Longyearbyen Flag:https://flagcdn.com/sj.svg

filter.js:7 name:Swaziland capital:Mbabane Flag:https://flagcdn.com/sz.svg

filter.js:7 name:Sweden capital:Stockholm Flag:https://flagcdn.com/se.svg

filter.js:7 name:Switzerland capital:Bern Flag:https://flagcdn.com/ch.svg

filter.js:7 name:Syrian Arab Republic capital:Damascus Flag:https://flagcdn.com/sy.svg

filter.js:7 name:Taiwan capital:Taipei Flag:https://flagcdn.com/tw.svg

filter.js:7 name:Tajikistan capital:Dushanbe Flag:https://flagcdn.com/tj.svg

filter.js:7 name:Tanzania, United Republic of capital:Dodoma Flag:https://flagcdn.com/tz.svg

filter.js:7 name:Thailand capital:Bangkok Flag:https://flagcdn.com/th.svg

filter.js:7 name:Timor-Leste capital:Dili Flag:https://flagcdn.com/tl.svg

filter.js:7 name:Togo capital:Lomé Flag:https://flagcdn.com/tg.svg

filter.js:7 name:Tokelau capital:Fakaofo Flag:https://flagcdn.com/tk.svg

filter.js:7 name:Tonga capital:Nuku'alofa Flag:https://flagcdn.com/to.svg

filter.js:7 name:Trinidad and Tobago capital:Port of Spain Flag:https://flagcdn.com/tt.svg

filter.js:7 name:Tunisia capital:Tunis Flag:https://flagcdn.com/tn.svg

filter.js:7 name:Turkey capital:Ankara Flag:https://flagcdn.com/tr.svg

filter.js:7 name:Turkmenistan capital:Ashgabat Flag:https://flagcdn.com/tm.svg

filter.js:7 name:Turks and Caicos Islands capital:Cockburn Town Flag:https://flagcdn.com/tc.svg

filter.js:7 name:Tuvalu capital:Funafuti Flag:https://flagcdn.com/tv.svg

filter.js:7 name:Uganda capital:Kampala Flag:https://flagcdn.com/ug.svg

filter.js:7 name:Ukraine capital:Kyiv Flag:https://flagcdn.com/ua.svg

filter.js:7 name:United Arab Emirates capital:Abu Dhabi Flag:https://flagcdn.com/ae.svg

filter.js:7 name:United Kingdom of Great Britain and Northern Ireland capital:London Flag:https://flagcdn.com/gb.svg

filter.js:7 name:United States of America capital:Washington, D.C. Flag:https://flagcdn.com/us.svg

filter.js:7 name:Uruguay capital:Montevideo Flag:https://flagcdn.com/uy.svg

filter.js:7 name:Uzbekistan capital:Tashkent Flag:https://flagcdn.com/uz.svg

filter.js:7 name:Vanuatu capital:Port Vila Flag:https://flagcdn.com/vu.svg

filter.js:7 name:Venezuela (Bolivarian Republic of) capital:Caracas Flag:https://flagcdn.com/ve.svg

filter.js:7 name:Vietnam capital:Hanoi Flag:https://flagcdn.com/vn.svg

filter.js:7 name:Wallis and Futuna capital:Mata-Utu Flag:https://flagcdn.com/wf.svg

filter.js:7 name:Western Sahara capital:El Aaiún Flag:https://flagcdn.com/eh.svg

filter.js:7 name:Yemen capital:Sana'a Flag:https://flagcdn.com/ye.svg

filter.js:7 name:Zambia capital:Lusaka Flag:https://flagcdn.com/zm.svg

filter.js:7 name:Zimbabwe capital:Harare Flag:https://flagcdn.com/zw.svg

1. Print the total population of countries using reduce function

Script.html

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>

</head>

<body>

    <script src = "filter.js"></script>

</body>

</html>

Script.js

var req = new XMLHttpRequest();

req.open('GET','https://restcountries.com/v2/all',true);

req.send();

req.onload=function(){

    var result= JSON.parse(req.response);

    var arr=[];

    for(var i =0;i<result.length;i++){

        arr.push(result[i].population);

    }

    var pop=arr.reduce((pvalue,cvalue) => pvalue+cvalue,0);

    console.log(pop);

}

1. Print the country which uses US Dollars as currency

Filter.js

var req = new XMLHttpRequest();

req.open('GET','https://restcountries.com/v2/all',true);

req.send();

req.onload=function(){

    var result= JSON.parse(req.response);

    var arr= result.map((ele)=> ele.currencies);

    var res=[];

    for(var i=10;i<arr.length;i++){

        if(arr[i][0].name== "United States dollar"){

            res.push(result[i].name);

        }

        if(arr[i][0].name == undefined || arr[i][0].name == NaN || arr[i][0].name == null ){

            console.log("undefined");

        }

    }

    console.log(res);

}

Filter.html

<!DOCTYPE html>

<html lang="en">

<head>

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    <title>Document</title>

</head>

<body>

    <script src = "filter.js"></script>

</body>

</html>

Ouput:

Text

Description automatically generated