let resume={

      "name": "rajalakshmi",

      "email": "rajalakshmimvr@gamil.com",

      "phone": ["9486042110", "1234567890"],

      "dob": "03.06.93",

      "degree": "BE",

      "department": "CSE",

      "address": {

        "no": "45/2",

        "street": "East street",

        "pincode": 638182,

        "city": "Namakkal",

        "state": "Tamilnadu",

        "country": "India"

      },

    "work": [

      {

        "company": "Stageone software private limited",

        "designation": "Software engineer",

        "projects": ["zupain"],

        "roles": "front end developer",

        "location": "chennai",

      },

      {

        "company": "Kaaylabs private limited",

        "designation": "Software engineer",

        "projects": ["jinglebid", "mouser electronics", "searchqore"],

        "roles": "front end developer",

        "location": "chennai",

      },

    ],

    "education": [

      {

        "institution": "Karpagam College Of Engineering",

        "department": "CSE",

        "batch passed out": 2015,

        "percentage": 89,

      },

      {

        "institution": "Kongu matriculation higer secondary school",

        "department": "HSC",

        "batch passed out": 2010,

        "percentage": 91.4,

      },

      {

        "institution": "Girls higher secondary school",

        "department": "SSLC",

        "batch passed out": 2008,

        "percentage": 93,

      }

    ],

    "skills": ["html", "css", "js", "es6", "react js"],

    "languages": [

      {

        "read": "Tamil,English",

        "write": "Tamil,English",

        "speak": "Tamil,English,Kannada",

      }

    ],

    "hobbies": [

      {

        "name": ["reading books", "learning veena", "listening music"],

      }

    ]

  }

  console.log(resume);

//for in

for (let key in resume) {

    if(typeof key === 'object') {

        //for of

        if(Array.isArray(obj[key])){

            for(let key of resume)

                console.log(key+ ":"+ resume[key])

        } else {

            for (let key in resume[key]) {

                //for

for (let i = 0; i < resume[key].length; i++) {

                        console.log(resume[key][i])

                  }

            }

        }

    } else console.log(key+ ":"+ resume[key]);

}

function loopThroughJSON(obj) {

    //for in

    for (let key in obj) {

      if (typeof obj[key] === 'object') {

        if (Array.isArray(obj[key])) {

          console.log(key)

          //for

          for (let i = 0; i < obj[key].length; i++) {

            if(typeof(obj[key])==="string" || typeof(obj[key])==="number" || typeof(obj[key])==="boolean")

            {

                console.log(obj[key][i])

            }

            else

                loopThroughJSON(obj[key]);

          }

        } else {

          console.log(key)

          loopThroughJSON(obj[key]);

        }

      }

      else {

        console.log(key + ': ' + obj[key]);

      }

    }

  }