# 1.For the given JSON iterate over all for loops (for, for in, for of, forEach)

Consider the following JSON object, to be traversed with types of loops

let movie={

"name":"Chandramukhi",

"language":"Tamil",

"starring":["Rajinikanth","Jyothika","Vadivelu","Prabhu","Nayanthara"],

"type":"CommedyHorror",

"director":"Vasu",

"Year":2005}

* **Traversing by for loop:**

let keyArr=Object.keys(movie);

for(let i=0;i<keyArr.length;i++){

console.log(movie[keyArr[i]]);

}

OUTPUT:

Chandramukhi

Tamil

[ 'Rajinikanth', 'Jyothika', 'Vadivelu', 'Prabhu', 'Nayanthara' ]

CommedyHorror

Vasu

2005

* **Traversing by for..in loop:**

for(let keys in movie){

console.log(movie[keys]);}

OUTPUT:

Chandramukhi

Tamil

[ 'Rajinikanth', 'Jyothika', 'Vadivelu', 'Prabhu', 'Nayanthara' ]

CommedyHorror

Vasu

2005

* **Traversing by for..of loop:**

for (let key of Object.keys(movie)) {

console.log(movie[key]);

}

OUTPUT:

Chandramukhi

Tamil

[ 'Rajinikanth', 'Jyothika', 'Vadivelu', 'Prabhu', 'Nayanthara' ]

CommedyHorror

Vasu

2005

* **Traversing by forEach loop:**

Object.keys(movie).forEach(key => {

console.log(movie[key])

})

OUTPUT:

Chandramukhi

Tamil

[ 'Rajinikanth', 'Jyothika', 'Vadivelu', 'Prabhu', 'Nayanthara' ]

CommedyHorror

Vasu

2005

## 2. Resume data in JSON format

let resume={

"name":{"firstName":"Sathiyapriya","lastName":"Krishnasamy"},

"personalDetails":{"email":"sathiyapriya.km@gmail.com","phoneNumber":"9659959196","location":"Erode","maritalStatus":"Married"},

"Education":{"UG":"Bachelor of Engineering","major":"Electronics and Communication Engineering","college":"Kongu Engineering College","CGPA":"9.28"},

"experience":{"companyName":"Robert Bosch Engineering and Bussiness Solutions","yearsOfExperience":"4 years and 2 months","areaOfExperience":"Tester communication for Engine ECU"},

"toolsKnown":["RQONE","Diagnoser","Canalyzer","UDE","INCA"],

"programmingSkills":"Embedded C",

"languagesKnown":["Tamil","English"],

"Hobbies":["Reading Books","Playing Chess"]

}

OUTPUT:

{ name: { firstName: 'Sathiyapriya', lastName: 'Krishnasamy' },

personalDetails:

{ email: 'sathiyapriya.km@gmail.com',

phoneNumber: '9659959196',

location: 'Erode',

maritalStatus: 'Married' },

Education:

{ UG: 'Bachelor of Engineering',

major: 'Electronics and Communication Engineering',

college: 'Kongu Engineering College',

CGPA: '9.28' },

experience:

{ companyName: 'Robert Bosch Engineering and Bussiness Solutions',

yearsOfExperience: '4 years and 2 months',

areaOfExperience: 'Tester communication for Engine ECU' },

toolsKnown: [ 'RQONE', 'Diagnoser', 'Canalyzer', 'UDE', 'INCA' ],

programmingSkills: 'Embedded C',

languagesKnown: [ 'Tamil', 'English' ],

Hobbies: [ 'Reading Books', 'Playing Chess' ] }